Film Capacitors

Metallized Polypropylene Film Capacitors (MKP)

Series/Type: **B32656S ... B32658S**

Date: October 2014

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Typical applications
- IGBT
- Snubbering

Climatic
- Max. operating temperature: 110 °C
- Climatic category (IEC 60068-1): 55/100/56

Construction
- Dielectric: polypropylene (PP)
- Wound capacitor technology with internal series connection
- Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Features
- High pulse strength and high contact reliability
- Very low inductance
- RoHS-compatible

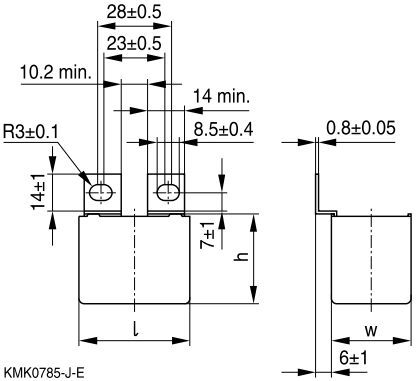
Terminals
- Strap terminals, tinned copper or brass (max. torque 10 Nm)

Marking
Manufacturer's logo, ordering code, style (MKP)
rated capacitance (coded), cap. tolerance (code letter),
rated DC voltage, date of manufacture (coded)

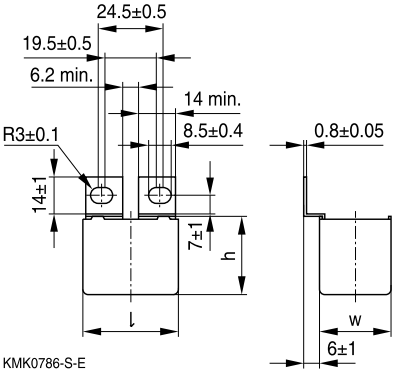
Delivery mode
Bulk (untaped)

Dimensional drawings

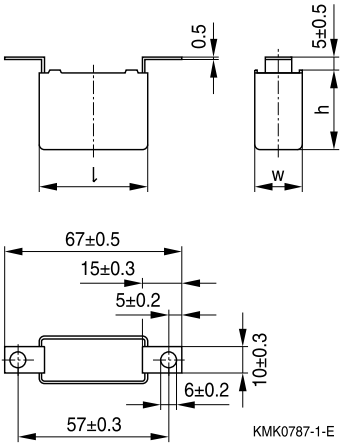
T1 (code no. 561)



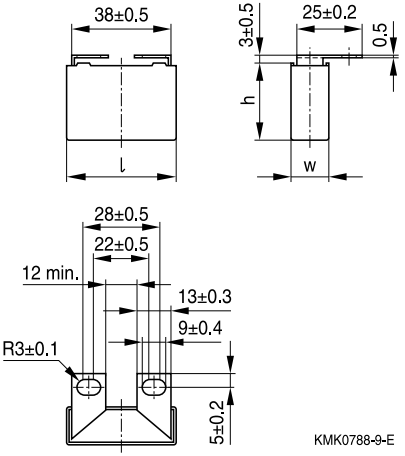
T2 (code no. 562)



T3 (code no. 563)

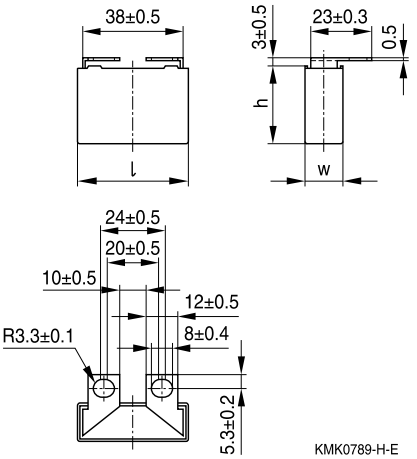


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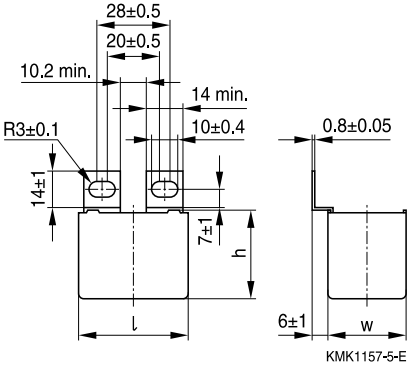


Dimensional drawings (continued)

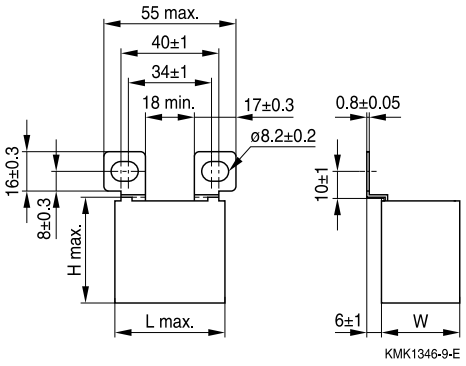
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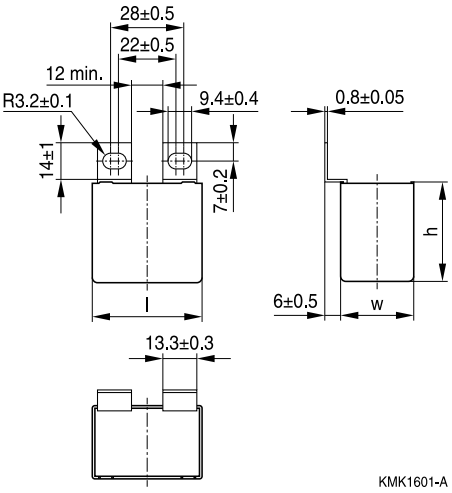
T6 (code no. 566)



T7 (code no. 577)

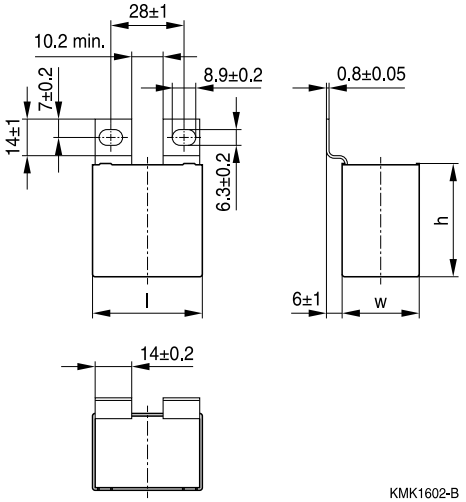


T8 (code no. 408)

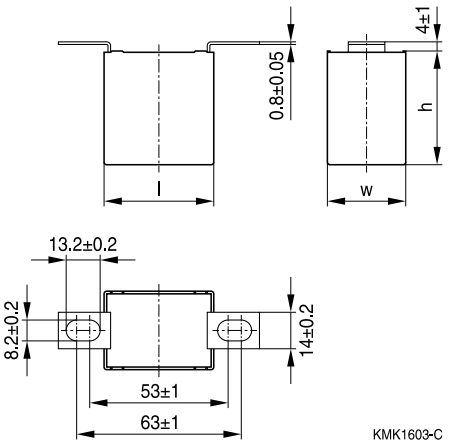


Dimensional drawings (continued)

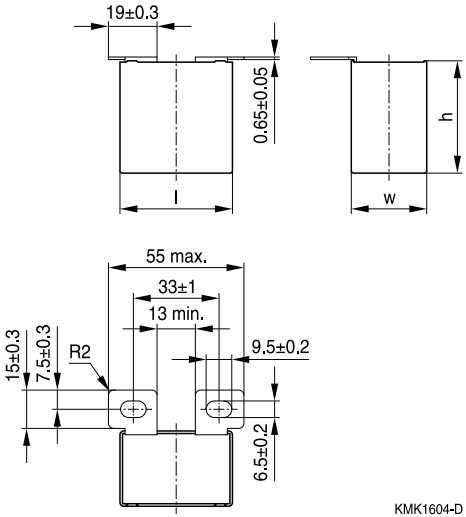
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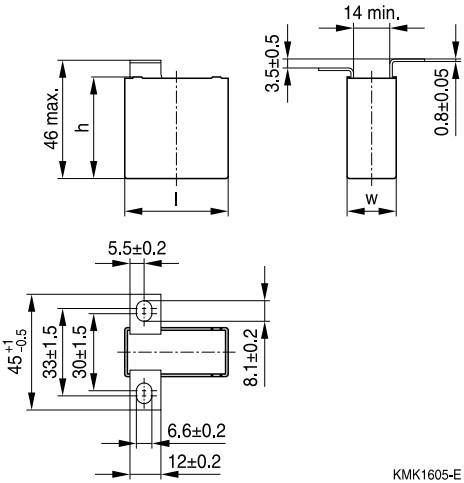
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T11 (code no. 411)

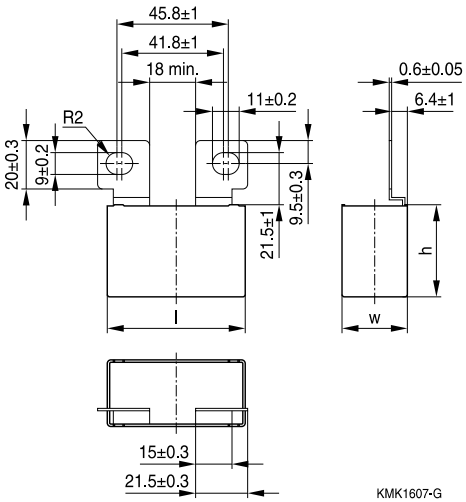


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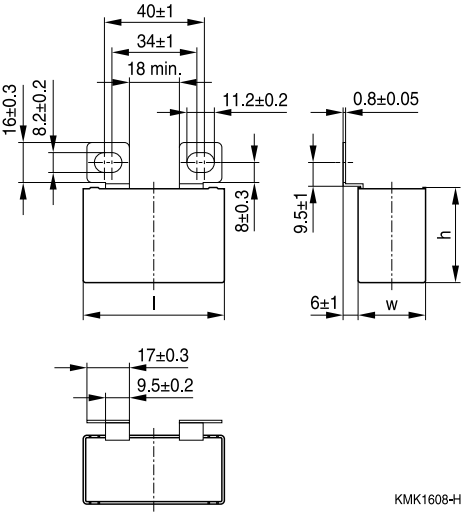


Dimensional drawings (continued)

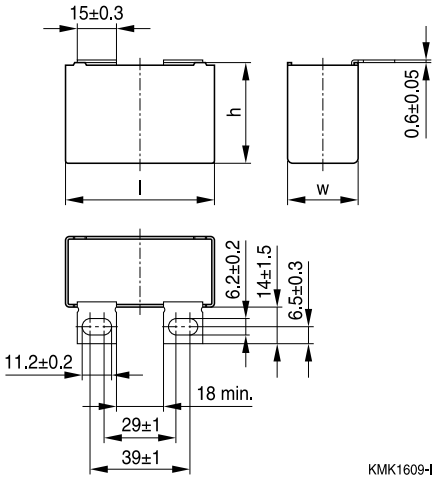
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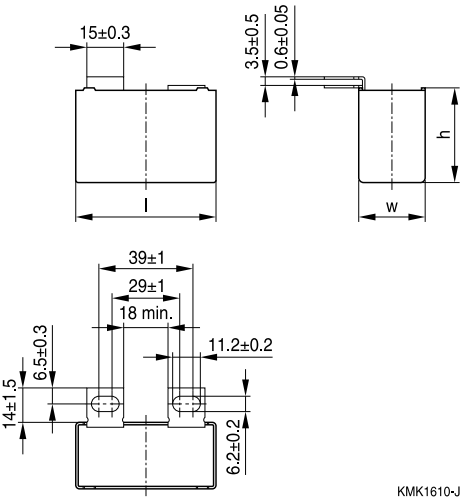
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T16 (code no. 416)

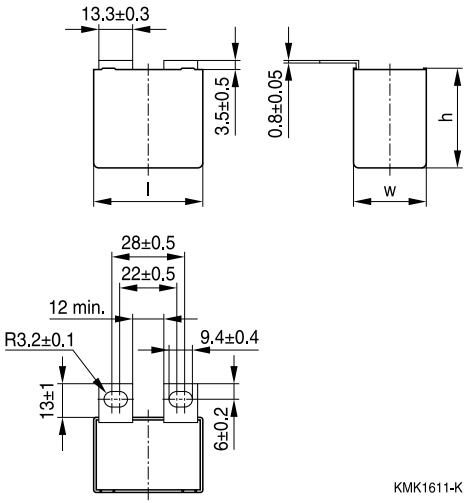


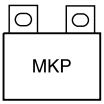
T17 (code no. 417)



Dimensional drawings (continued)

T18 (code no. 418)



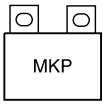


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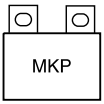
Snubber (wound)

Overview of available types

Type	B32656S				
V_R (V DC)	850	1000	1250	1700	2000
V_{RMS} (V AC)	450	480	500	750	800
C_R (nF)					
68					
100					
120					
150					
220					
270					
330					
390					
470					
560					
680					
820					
1000					
1200					
1500					
1800					
2200					
2700					
3300					



Type	B32658S				
V_R (V DC)	850	1000	1250	1700	2000
V_{RMS} (V AC)	450	480	500	750	800
C_R (nF)					
330					
470					
680					
820					
900					
1000					
1200					
1400					
1500					
1800					
2200					
2700					
3000					
3300					
4000					
4200					
4500					
4700					
5000					
5600					



B32656S

Snubber (wound)

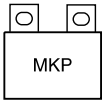
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
850	450	560	14.0 × 25.0 × 42.0	8.0	9.0	B32656S8564+408	T8	288
		560	14.0 × 25.0 × 42.0	8.0	9.0	B32656S8564+418	T18	288
		560	14.0 × 25.0 × 42.0	8.0	9.0	B32656S8564+563	T3	168
		560	14.0 × 25.0 × 42.0	8.0	9.0	B32656S8564+564	T4	288
		560	14.0 × 25.0 × 42.0	8.0	9.0	B32656S8564+565	T5	288
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+408	T8	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+409	T9	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+411	T11	128
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+418	T18	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+561	T1	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+562	T2	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+563	T3	144
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+564	T4	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+565	T5	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+566	T6	192
		680	16.0 × 28.5 × 42.0	9.5	7.0	B32656S8684+577	T7	180
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+408	T8	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+409	T9	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+411	T11	128
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+418	T18	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+561	T1	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+562	T2	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+563	T3	144
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+564	T4	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+565	T5	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+566	T6	192
		820	16.0 × 28.5 × 42.0	10.0	6.0	B32656S8824+577	T7	180

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



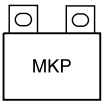
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
850	450	1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+408	T8	140
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+409	T9	140
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+411	T11	112
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+418	T18	140
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+561	T1	140
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+562	T2	140
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+563	T3	120
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+564	T4	128
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+565	T5	128
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+566	T6	140
		1000	18.0 × 32.5 × 42.0	11.5	6.0	B32656S8105+577	T7	156
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+408	T8	140
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+409	T9	140
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+411	T11	112
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+418	T18	140
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+561	T1	140
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+562	T2	140
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+563	T3	120
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+564	T4	128
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+565	T5	128
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+566	T6	140
		1200	18.0 × 32.5 × 42.0	12.5	5.0	B32656S8125+577	T7	156
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+408	T8	128
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+409	T9	128
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+418	T18	128
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+561	T1	128
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+562	T2	128
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+563	T3	72
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+566	T6	128
		1500	31.0 × 26.5 × 43.6	14.0	5.0	B32656S8155+577	T7	84

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

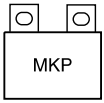
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
850	450	1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+408	T8	108
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+409	T9	108
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+410	T10	80
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+411	T11	72
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+418	T18	108
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+561	T1	108
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+562	T2	108
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+563	T3	96
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+566	T6	108
		1800	28.0 × 37.0 × 42.0	15.5	4.5	B32656S8185+577	T7	96
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+408	T8	48
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+409	T9	48
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+410	T10	80
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+411	T11	64
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+418	T18	48
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+561	T1	48
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+562	T2	48
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+563	T3	96
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+566	T6	48
		2200	30.0 × 45.0 × 42.0	17.0	4.0	B32656S8225+577	T7	96
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+408	T8	48
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+409	T9	48
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+410	T10	80
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+411	T11	64
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+418	T18	48
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+561	T1	48
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+562	T2	48
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+563	T3	96
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+566	T6	48
		2700	30.0 × 45.0 × 42.0	20.0	3.7	B32656S8275+577	T7	96

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



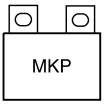
Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
850	450	3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+408	T8	84
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+409	T9	84
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+410	T10	60
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+411	T11	56
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+418	T18	84
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+561	T1	84
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+562	T2	84
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+563	T3	64
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+566	T6	84
		3300	33.0 × 48.0 × 43.0	23.0	3.3	B32656S8335+577	T7	84
1000	480	330	14.0 × 25.0 × 42.0	7.0	13.0	B32656S0334+408	T8	288
		330	14.0 × 25.0 × 42.0	7.0	13.0	B32656S0334+418	T18	288
		330	14.0 × 25.0 × 42.0	7.0	13.0	B32656S0334+563	T3	168
		330	14.0 × 25.0 × 42.0	7.0	13.0	B32656S0334+564	T4	288
		330	14.0 × 25.0 × 42.0	7.0	13.0	B32656S0334+565	T5	288
		390	14.0 × 25.0 × 42.0	7.5	11.0	B32656S0394+408	T8	288
		390	14.0 × 25.0 × 42.0	7.5	11.0	B32656S0394+418	T18	288
		390	14.0 × 25.0 × 42.0	7.5	11.0	B32656S0394+563	T3	168
		390	14.0 × 25.0 × 42.0	7.5	11.0	B32656S0394+564	T4	288
		390	14.0 × 25.0 × 42.0	7.5	11.0	B32656S0394+565	T5	288
		470	14.0 × 25.0 × 42.0	8.0	10.0	B32656S0474+408	T8	288
		470	14.0 × 25.0 × 42.0	8.0	10.0	B32656S0474+418	T18	288
		470	14.0 × 25.0 × 42.0	8.0	10.0	B32656S0474+563	T3	168
		470	14.0 × 25.0 × 42.0	8.0	10.0	B32656S0474+564	T4	288
		470	14.0 × 25.0 × 42.0	8.0	10.0	B32656S0474+565	T5	288
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+408	T8	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+409	T9	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+411	T11	128
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+418	T18	192

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

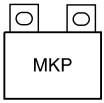
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1000	480	560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+561	T1	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+562	T2	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+563	T3	144
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+564	T4	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+565	T5	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+566	T6	192
		560	16.0 × 28.5 × 42.0	9.0	8.0	B32656S0564+577	T7	180
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+408	T8	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+409	T9	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+411	T11	128
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+418	T18	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+561	T1	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+562	T2	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+563	T3	144
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+564	T4	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+565	T5	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+566	T6	192
		680	16.0 × 28.5 × 42.0	10.5	6.5	B32656S0684+577	T7	180
		680	19.0 × 37.5 × 42.0	18.0	3.0	B32656S0684+412	T12	264
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+408	T8	140
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+409	T9	140
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+411	T11	112
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+418	T18	140
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+561	T1	140
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+562	T2	140
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+563	T3	120
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+564	T4	128
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+565	T5	128
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+566	T6	140
		820	18.0 × 32.5 × 42.0	11.5	6.0	B32656S0824+577	T7	156
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+408	T8	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+409	T9	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+410	T10	120

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



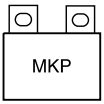
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1000	480	1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+411	T11	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+418	T18	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+561	T1	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+562	T2	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+563	T3	104
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+564	T4	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+565	T5	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+566	T6	96
		1000	20.0 × 39.5 × 42.0	13.0	6.0	B32656S0105+577	T7	144
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+408	T8	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+409	T9	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+410	T10	120
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+411	T11	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+418	T18	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+561	T1	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+562	T2	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+563	T3	104
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+564	T4	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+565	T5	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+566	T6	96
		1200	20.0 × 39.5 × 42.0	14.0	5.0	B32656S0125+577	T7	144
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+408	T8	48
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+409	T9	48
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+410	T10	80
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+411	T11	64
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+418	T18	48
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+561	T1	48
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+562	T2	48
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+563	T3	96
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+566	T6	48
		1500	30.0 × 45.0 × 42.0	16.5	5.0	B32656S0155+577	T7	96

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

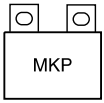
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1000	480	1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+408	T8	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+409	T9	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+410	T10	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+411	T11	64
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+418	T18	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+561	T1	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+562	T2	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+563	T3	96
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+566	T6	48
		1800	30.0 × 45.0 × 42.0	17.0	4.5	B32656S0185+577	T7	96
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+408	T8	48
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+409	T9	48
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+410	T10	80
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+411	T11	64
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+418	T18	48
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+561	T1	48
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+562	T2	48
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+563	T3	96
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+566	T6	48
		2200	30.0 × 45.0 × 42.0	19.0	4.0	B32656S0225+577	T7	96
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+408	T8	84
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+409	T9	84
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+410	T10	60
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+411	T11	56
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+418	T18	84
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+561	T1	84
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+562	T2	84
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+563	T3	64
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+566	T6	84
		2700	33.0 × 48.0 × 43.0	22.0	3.3	B32656S0275+577	T7	84

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



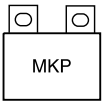
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1250	500	220	14.0 × 25.0 × 42.0	7.0	11.5	B32656S7224+408	T8	288
		220	14.0 × 25.0 × 42.0	7.0	11.5	B32656S7224+418	T18	288
		220	14.0 × 25.0 × 42.0	7.0	11.5	B32656S7224+563	T3	168
		220	14.0 × 25.0 × 42.0	7.0	11.5	B32656S7224+564	T4	288
		220	14.0 × 25.0 × 42.0	7.0	11.5	B32656S7224+565	T5	288
		270	14.0 × 25.0 × 42.0	8.0	10.0	B32656S7274+408	T8	288
		270	14.0 × 25.0 × 42.0	8.0	10.0	B32656S7274+418	T18	288
		270	14.0 × 25.0 × 42.0	8.0	10.0	B32656S7274+563	T3	168
		270	14.0 × 25.0 × 42.0	8.0	10.0	B32656S7274+564	T4	288
		270	14.0 × 25.0 × 42.0	8.0	10.0	B32656S7274+565	T5	288
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+408	T8	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+409	T9	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+411	T11	128
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+418	T18	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+561	T1	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+562	T2	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+563	T3	144
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+564	T4	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+565	T5	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+566	T6	192
		330	16.0 × 28.5 × 42.0	8.5	9.5	B32656S7334+577	T7	180
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+408	T8	140
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+409	T9	140
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+411	T11	112
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+418	T18	140
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+561	T1	140
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+562	T2	140
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+563	T3	120
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+564	T4	128
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+565	T5	128
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+566	T6	140
		390	18.0 × 32.5 × 42.0	9.0	9.0	B32656S7394+577	T7	156

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

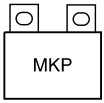
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1250	500	470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+408	T8	140
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+409	T9	140
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+411	T11	112
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+418	T18	140
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+561	T1	140
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+562	T2	140
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+563	T3	120
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+564	T4	128
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+565	T5	128
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+566	T6	140
		470	18.0 × 32.5 × 42.0	9.0	8.5	B32656S7474+577	T7	156
		470	19.0 × 37.5 × 42.0	17.0	4.0	B32656S7474+412	T12	264
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+408	T8	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+409	T9	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+410	T10	120
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+411	T11	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+418	T18	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+561	T1	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+562	T2	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+563	T3	104
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+564	T4	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+565	T5	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+566	T6	96
		560	20.0 × 39.5 × 42.0	11.0	7.0	B32656S7564+577	T7	144
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+408	T8	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+409	T9	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+410	T10	120
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+411	T11	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+418	T18	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+561	T1	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+562	T2	96

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



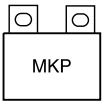
Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
1250	500	680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+563	T3	104
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+564	T4	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+565	T5	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+566	T6	96
		680	20.0 × 39.5 × 42.0	13.0	6.0	B32656S7684+577	T7	144
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+408	T8	108
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+409	T9	108
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+410	T10	80
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+411	T11	72
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+418	T18	108
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+561	T1	108
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+562	T2	108
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+563	T3	96
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+566	T6	108
		820	28.0 × 37.0 × 42.0	14.0	5.5	B32656S7824+577	T7	96
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+408	T8	108
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+409	T9	108
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+410	T10	80
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+411	T11	72
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+418	T18	108
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+561	T1	108
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+562	T2	108
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+563	T3	96
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+566	T6	108
		1000	28.0 × 37.0 × 42.0	15.5	5.0	B32656S7105+577	T7	96
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+408	T8	48
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+409	T9	48
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+410	T10	80
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+411	T11	64
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+418	T18	48

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

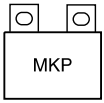
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1250	500	1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+561	T1	48
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+562	T2	48
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+563	T3	96
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+566	T6	48
		1200	30.0 × 45.0 × 42.0	17.0	4.5	B32656S7125+577	T7	96
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+408	T8	48
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+409	T9	48
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+410	T10	80
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+411	T11	64
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+418	T18	48
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+561	T1	48
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+562	T2	48
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+563	T3	96
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+566	T6	48
		1500	30.0 × 45.0 × 42.0	19.0	4.0	B32656S7155+577	T7	96
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+408	T8	84
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+409	T9	84
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+410	T10	60
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+411	T11	56
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+418	T18	84
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+561	T1	84
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+562	T2	84
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+563	T3	64
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+566	T6	84
		1800	33.0 × 48.0 × 43.0	22.0	3.5	B32656S7185+577	T7	84
1700	750	120	14.0 × 25.0 × 42.0	6.5	14.0	B32656S1124+408	T8	288
		120	14.0 × 25.0 × 42.0	6.5	14.0	B32656S1124+418	T18	288
		120	14.0 × 25.0 × 42.0	6.5	14.0	B32656S1124+563	T3	168
		120	14.0 × 25.0 × 42.0	6.5	14.0	B32656S1124+564	T4	288
		120	14.0 × 25.0 × 42.0	6.5	14.0	B32656S1124+565	T5	288

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



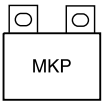
Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
1700	750	150	14.0 × 25.0 × 42.0	7.0	13.0	B32656S1154+408	T8	288
		150	14.0 × 25.0 × 42.0	7.0	13.0	B32656S1154+418	T18	288
		150	14.0 × 25.0 × 42.0	7.0	13.0	B32656S1154+563	T3	168
		150	14.0 × 25.0 × 42.0	7.0	13.0	B32656S1154+564	T4	288
		150	14.0 × 25.0 × 42.0	7.0	13.0	B32656S1154+565	T5	288
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+408	T8	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+409	T9	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+411	T11	128
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+418	T18	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+561	T1	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+562	T2	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+563	T3	144
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+564	T4	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+565	T5	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+566	T6	192
		220	16.0 × 28.5 × 42.0	8.5	10.5	B32656S1224+577	T7	180
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+408	T8	140
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+409	T9	140
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+411	T11	112
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+418	T18	140
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+561	T1	140
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+562	T2	140
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+563	T3	120
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+564	T4	128
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+565	T5	128
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+566	T6	140
		270	18.0 × 32.5 × 42.0	9.5	9.0	B32656S1274+577	T7	156

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

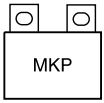
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1700	750	330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+408	T8	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+409	T9	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+410	T10	120
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+411	T11	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+418	T18	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+561	T1	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+562	T2	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+563	T3	104
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+564	T4	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+565	T5	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+566	T6	96
		330	20.0 × 39.5 × 42.0	12.0	8.0	B32656S1334+577	T7	144
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+408	T8	108
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+409	T9	108
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+410	T10	80
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+411	T11	72
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+418	T18	108
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+561	T1	108
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+562	T2	108
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+563	T3	96
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+566	T6	108
		390	28.0 × 37.0 × 42.0	13.5	7.0	B32656S1394+577	T7	96
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+408	T8	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+409	T9	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+410	T10	72
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+411	T11	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+418	T18	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+561	T1	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+562	T2	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+563	T3	96
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+566	T6	108
		470	28.0 × 37.0 × 42.0	14.5	6.0	B32656S1474+577	T7	96

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



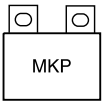
Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
1700	750	560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+408	T8	48
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+409	T9	48
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+410	T10	80
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+411	T11	64
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+418	T18	48
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+561	T1	48
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+562	T2	48
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+563	T3	96
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+566	T6	48
		560	30.0 × 45.0 × 42.0	16.5	5.5	B32656S1564+577	T7	96
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+408	T8	48
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+409	T9	48
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+410	T10	80
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+411	T11	64
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+418	T18	48
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+561	T1	48
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+562	T2	48
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+563	T3	96
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+566	T6	48
		680	30.0 × 45.0 × 42.0	18.0	5.0	B32656S1684+577	T7	96
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+408	T8	84
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+409	T9	84
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+410	T10	60
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+411	T11	56
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+418	T18	84
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+561	T1	84
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+562	T2	84
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+563	T3	64
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+566	T6	84
		820	33.0 × 48.0 × 43.0	20.0	4.0	B32656S1824+577	T7	84

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

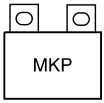
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter- minal	pcs./ MOQ
V DC	V AC	nF	mm	A	mΩ	below)		
2000	800	68	14.0 × 25.0 × 42.0	6.0	17.0	B32656S2683+408	T8	288
		68	14.0 × 25.0 × 42.0	6.0	17.0	B32656S2683+418	T18	288
		68	14.0 × 25.0 × 42.0	6.0	17.0	B32656S2683+563	T3	168
		68	14.0 × 25.0 × 42.0	6.0	17.0	B32656S2683+564	T4	288
		68	14.0 × 25.0 × 42.0	6.0	17.0	B32656S2683+565	T5	288
		100	14.0 × 25.0 × 42.0	6.5	15.0	B32656S2104+408	T8	288
		100	14.0 × 25.0 × 42.0	6.5	15.0	B32656S2104+418	T18	288
		100	14.0 × 25.0 × 42.0	6.5	15.0	B32656S2104+563	T3	168
		100	14.0 × 25.0 × 42.0	6.5	15.0	B32656S2104+564	T4	288
		100	14.0 × 25.0 × 42.0	6.5	15.0	B32656S2104+565	T5	288
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+408	T8	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+409	T9	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+411	T11	128
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+418	T18	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+561	T1	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+562	T2	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+563	T3	144
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+564	T4	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+565	T5	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+566	T6	192
		120	16.0 × 28.5 × 42.0	7.0	14.0	B32656S2124+577	T7	180
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+408	T8	140
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+409	T9	140
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+411	T11	112
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+418	T18	140
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+561	T1	140
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+562	T2	140
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+563	T3	120
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+564	T4	128
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+565	T5	128
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+566	T6	140
		150	18.0 × 32.5 × 42.0	8.0	13.0	B32656S2154+577	T7	156

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



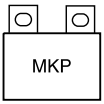
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
2000	800	220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+408	T8	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+409	T9	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+410	T10	120
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+411	T11	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+418	T18	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+561	T1	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+562	T2	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+563	T3	104
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+564	T4	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+565	T5	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+566	T6	96
		220	20.0 × 39.5 × 42.0	11.0	9.0	B32656S2224+577	T7	144
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+408	T8	108
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+409	T9	108
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+410	T10	80
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+411	T11	72
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+418	T18	108
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+561	T1	108
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+562	T2	108
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+563	T3	96
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+566	T6	108
		270	28.0 × 37.0 × 42.0	12.5	8.0	B32656S2274+577	T7	96
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+408	T8	108
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+409	T9	108
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+410	T10	80
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+411	T11	72
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+418	T18	108
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+561	T1	108
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+562	T2	108
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+563	T3	96
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+566	T6	108
		330	28.0 × 37.0 × 42.0	14.0	6.5	B32656S2334+577	T7	96

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32656S

Snubber (wound)

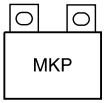
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
2000	800	390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+408	T8	48
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+409	T9	48
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+410	T10	80
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+411	T11	64
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+418	T18	48
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+561	T1	48
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+562	T2	48
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+563	T3	96
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+566	T6	48
		390	30.0 × 45.0 × 42.0	15.0	6.5	B32656S2394+577	T7	96
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+408	T8	48
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+409	T9	48
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+410	T10	80
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+411	T11	64
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+418	T18	48
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+561	T1	48
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+562	T2	48
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+563	T3	96
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+566	T6	48
		470	30.0 × 45.0 × 42.0	17.0	5.5	B32656S2474+577	T7	96
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+408	T8	84
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+409	T9	84
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+410	T10	60
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+411	T11	56
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+418	T18	84
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+561	T1	84
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+562	T2	84
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+563	T3	64
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+566	T6	84
		560	33.0 × 48.0 × 43.0	19.0	4.5	B32656S2564+577	T7	84

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



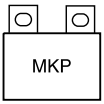
Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
850	450	1500	22.5 × 33.0 × 57.5	12.0	7.0	B32658S8155+414	T14	88
		1500	22.5 × 33.0 × 57.5	12.0	7.0	B32658S8155+416	T16	88
		1800	22.5 × 33.0 × 57.5	13.0	6.5	B32658S8185+414	T14	88
		1800	22.5 × 33.0 × 57.5	13.0	6.5	B32658S8185+416	T16	88
		2200	22.5 × 33.0 × 57.5	14.5	5.5	B32658S8225+414	T14	88
		2200	22.5 × 33.0 × 57.5	14.5	5.5	B32658S8225+416	T16	88
		2700	27.0 × 39.5 × 57.5	18.0	5.0	B32658S8275+414	T14	72
		2700	27.0 × 39.5 × 57.5	18.0	5.0	B32658S8275+415	T15	72
		2700	27.0 × 39.5 × 57.5	18.0	5.0	B32658S8275+416	T16	72
		2700	27.0 × 39.5 × 57.5	18.0	5.0	B32658S8275+417	T17	72
		3000	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8305+414	T14	72
		3000	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8305+415	T15	72
		3000	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8305+416	T16	72
		3000	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8305+417	T17	72
		3300	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8335K414	T14	72
		3300	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8335K415	T15	72
		3300	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8335K416	T16	72
		3300	27.0 × 39.5 × 57.5	19.0	4.5	B32658S8335K417	T17	72
		4000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S8405+414	T14	64
		4000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S8405+415	T15	64
		4000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S8405+416	T16	64
		4000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S8405+417	T17	64
		4500	30.0 × 45.0 × 57.5	22.0	3.7	B32658S8455+414	T14	64
		4500	30.0 × 45.0 × 57.5	22.0	3.7	B32658S8455+415	T15	64
		4500	30.0 × 45.0 × 57.5	22.0	3.7	B32658S8455+416	T16	64
		4500	30.0 × 45.0 × 57.5	22.0	3.7	B32658S8455+417	T17	64
		4700	35.0 × 50.0 × 57.5	23.0	3.5	B32658S8475+414	T14	56
		4700	35.0 × 50.0 × 57.5	23.0	3.5	B32658S8475+415	T15	56
		4700	35.0 × 50.0 × 57.5	23.0	3.5	B32658S8475+416	T16	56
		4700	35.0 × 50.0 × 57.5	23.0	3.5	B32658S8475+417	T17	56

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32658S

Snubber (wound)

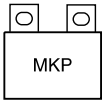
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter- minal	pcs./ MOQ
V DC	V AC	nF	mm	A	mΩ	below)		
850	450	5000	35.0 × 50.0 × 57.5	24.0	3.2	B32658S8505+414	T14	56
		5000	35.0 × 50.0 × 57.5	24.0	3.2	B32658S8505+415	T15	56
		5000	35.0 × 50.0 × 57.5	24.0	3.2	B32658S8505+416	T16	56
		5000	35.0 × 50.0 × 57.5	24.0	3.2	B32658S8505+417	T17	56
		5600	35.0 × 50.0 × 57.5	27.0	2.8	B32658S8565+414	T14	56
		5600	35.0 × 50.0 × 57.5	27.0	2.8	B32658S8565+415	T15	56
		5600	35.0 × 50.0 × 57.5	27.0	2.8	B32658S8565+416	T16	56
		5600	35.0 × 50.0 × 57.5	27.0	2.8	B32658S8565+417	T17	56
1000	480	1000	22.5 × 33.0 × 57.5	11.0	8.0	B32658S0105+414	T14	88
		1000	22.5 × 33.0 × 57.5	11.0	8.0	B32658S0105+416	T16	88
		1500	22.5 × 33.0 × 57.5	13.5	6.5	B32658S0155+414	T14	88
		1500	22.5 × 33.0 × 57.5	13.5	6.5	B32658S0155+416	T16	88
		1800	27.0 × 39.5 × 57.5	15.5	6.0	B32658S0185+414	T14	72
		1800	27.0 × 39.5 × 57.5	15.5	6.0	B32658S0185+415	T15	72
		1800	27.0 × 39.5 × 57.5	15.5	6.0	B32658S0185+416	T16	72
		1800	27.0 × 39.5 × 57.5	15.5	6.0	B32658S0185+417	T17	72
		2200	27.0 × 39.5 × 57.5	17.0	5.0	B32658S0225+414	T14	72
		2200	27.0 × 39.5 × 57.5	17.0	5.0	B32658S0225+415	T15	72
		2200	27.0 × 39.5 × 57.5	17.0	5.0	B32658S0225+416	T16	72
		2200	27.0 × 39.5 × 57.5	17.0	5.0	B32658S0225+417	T17	72
		2700	30.0 × 45.0 × 57.5	20.0	4.5	B32658S0275+414	T14	64
		2700	30.0 × 45.0 × 57.5	20.0	4.5	B32658S0275+415	T15	64
		2700	30.0 × 45.0 × 57.5	20.0	4.5	B32658S0275+416	T16	64
		2700	30.0 × 45.0 × 57.5	20.0	4.5	B32658S0275+417	T17	64
		3000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S0305+414	T14	64
		3000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S0305+415	T15	64
		3000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S0305+416	T16	64
		3000	30.0 × 45.0 × 57.5	21.0	4.0	B32658S0305+417	T17	64
		3300	35.0 × 50.0 × 57.5	22.0	4.0	B32658S0335+414	T14	56
		3300	35.0 × 50.0 × 57.5	22.0	4.0	B32658S0335+415	T15	56
		3300	35.0 × 50.0 × 57.5	22.0	4.0	B32658S0335+416	T16	56
		3300	35.0 × 50.0 × 57.5	22.0	4.0	B32658S0335+417	T17	56

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



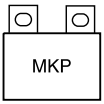
Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
1000	480	4000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0405+414	T14	56
		4000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0405+415	T15	56
		4000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0405+416	T16	56
		4000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0405+417	T17	56
		4200	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0425+414	T14	56
		4200	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0425+415	T15	56
		4200	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0425+416	T16	56
		4200	35.0 × 50.0 × 57.5	24.0	3.5	B32658S0425+417	T17	56
1250	500	820	22.5 × 33.0 × 57.5	11.5	7.5	B32658S7824+414	T14	88
		820	22.5 × 33.0 × 57.5	11.5	7.5	B32658S7824+416	T16	88
		1000	22.5 × 33.0 × 57.5	12.5	7.0	B32658S7105+414	T14	88
		1000	22.5 × 33.0 × 57.5	12.5	7.0	B32658S7105+416	T16	88
		1200	27.0 × 39.5 × 57.5	14.5	7.0	B32658S7125+414	T14	72
		1200	27.0 × 39.5 × 57.5	14.5	7.0	B32658S7125+415	T15	72
		1200	27.0 × 39.5 × 57.5	14.5	7.0	B32658S7125+416	T16	72
		1200	27.0 × 39.5 × 57.5	14.5	7.0	B32658S7125+417	T17	72
		1500	27.0 × 39.5 × 57.5	15.0	6.5	B32658S7155+414	T14	72
		1500	27.0 × 39.5 × 57.5	15.0	6.5	B32658S7155+415	T15	72
		1500	27.0 × 39.5 × 57.5	15.0	6.5	B32658S7155+416	T16	72
		1500	27.0 × 39.5 × 57.5	15.0	6.5	B32658S7155+417	T17	72
		1800	27.0 × 39.5 × 57.5	16.5	5.5	B32658S7185+414	T14	72
		1800	27.0 × 39.5 × 57.5	16.5	5.5	B32658S7185+415	T15	72
		1800	27.0 × 39.5 × 57.5	16.5	5.5	B32658S7185+416	T16	72
		1800	27.0 × 39.5 × 57.5	16.5	5.5	B32658S7185+417	T17	72
		2200	30.0 × 45.0 × 57.5	19.0	4.7	B32658S7225+414	T14	64
		2200	30.0 × 45.0 × 57.5	19.0	4.7	B32658S7225+415	T15	64
		2200	30.0 × 45.0 × 57.5	19.0	4.7	B32658S7225+416	T16	64
		2200	30.0 × 45.0 × 57.5	19.0	4.7	B32658S7225+417	T17	64
		2700	35.0 × 50.0 × 57.5	22.0	4.0	B32658S7275+414	T14	56
		2700	35.0 × 50.0 × 57.5	22.0	4.0	B32658S7275+415	T15	56
		2700	35.0 × 50.0 × 57.5	22.0	4.0	B32658S7275+416	T16	56
		2700	35.0 × 50.0 × 57.5	22.0	4.0	B32658S7275+417	T17	56

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



B32658S

Snubber (wound)

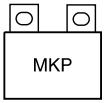
Electrical specifications, ordering codes and packing units

V_R	V_{RMS} f≤1kHz	C_R	Max. dimensions w × h × l	I_{RMS} 100 kHz	ESR 100 kHz	Ordering code (composition see	Ter-	pcs./
V DC	V AC	nF	mm	A	mΩ	below)	minal	MOQ
1250	500	3000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S7305+414	T14	56
		3000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S7305+415	T15	56
		3000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S7305+416	T16	56
		3000	35.0 × 50.0 × 57.5	24.0	3.5	B32658S7305+417	T17	56
1700	750	470	22.5 × 33.0 × 57.5	11.5	9.0	B32658S1474+414	T14	88
		470	22.5 × 33.0 × 57.5	11.5	9.0	B32658S1474+416	T16	88
		680	27.0 × 39.5 × 57.5	14.5	7.5	B32658S1684+414	T14	72
		680	27.0 × 39.5 × 57.5	14.5	7.5	B32658S1684+415	T15	72
		680	27.0 × 39.5 × 57.5	14.5	7.5	B32658S1684+416	T16	72
		680	27.0 × 39.5 × 57.5	14.5	7.5	B32658S1684+417	T17	72
		1000	30.0 × 45.0 × 57.5	16.5	6.7	B32658S1105+414	T14	64
		1000	30.0 × 45.0 × 57.5	16.5	6.7	B32658S1105+415	T15	64
		1000	30.0 × 45.0 × 57.5	16.5	6.7	B32658S1105+416	T16	64
		1000	30.0 × 45.0 × 57.5	16.5	6.7	B32658S1105+417	T17	64
		1200	35.0 × 50.0 × 57.5	18.5	6.2	B32658S1125+414	T14	56
		1200	35.0 × 50.0 × 57.5	18.5	6.2	B32658S1125+415	T15	56
		1200	35.0 × 50.0 × 57.5	18.5	6.2	B32658S1125+416	T16	56
		1200	35.0 × 50.0 × 57.5	18.5	6.2	B32658S1125+417	T17	56
		1400	35.0 × 50.0 × 57.5	20.0	5.5	B32658S1145+414	T14	56
		1400	35.0 × 50.0 × 57.5	20.0	5.5	B32658S1145+415	T15	56
		1400	35.0 × 50.0 × 57.5	20.0	5.5	B32658S1145+416	T16	56
		1400	35.0 × 50.0 × 57.5	20.0	5.5	B32658S1145+417	T17	56
2000	800	330	22.5 × 33.0 × 57.5	11.5	9.0	B32658S2334+414	T14	88
		330	22.5 × 33.0 × 57.5	11.5	9.0	B32658S2334+416	T16	88
		470	27.0 × 39.5 × 57.5	14.0	8.0	B32658S2474+414	T14	72
		470	27.0 × 39.5 × 57.5	14.0	8.0	B32658S2474+415	T15	72
		470	27.0 × 39.5 × 57.5	14.0	8.0	B32658S2474+416	T16	72
		470	27.0 × 39.5 × 57.5	14.0	8.0	B32658S2474+417	T17	72
		680	30.0 × 45.0 × 57.5	16.5	7.0	B32658S2684+414	T14	64

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%



Electrical specifications, ordering codes and packing units

V_R V DC	V_{RMS} f≤1kHz V AC	C_R nF	Max. dimensions w × h × l mm	I_{RMS} 100 kHz A	ESR 100 kHz mΩ	Ordering code (composition see below)	Ter-minal	pcs./ MOQ
2000	800	680	30.0 × 45.0 × 57.5	16.5	7.0	B32658S2684+415	T15	64
		680	30.0 × 45.0 × 57.5	16.5	7.0	B32658S2684+416	T16	64
		680	30.0 × 45.0 × 57.5	16.5	7.0	B32658S2684+417	T17	64
		820	35.0 × 50.0 × 57.5	18.0	6.5	B32658S2824+414	T14	56
		820	35.0 × 50.0 × 57.5	18.0	6.5	B32658S2824+415	T15	56
		820	35.0 × 50.0 × 57.5	18.0	6.5	B32658S2824+416	T16	56
		820	35.0 × 50.0 × 57.5	18.0	6.5	B32658S2824+417	T17	56
		900	35.0 × 50.0 × 57.5	19.0	6.0	B32658S2905+414	T14	56
		900	35.0 × 50.0 × 57.5	19.0	6.0	B32658S2905+415	T15	56
		900	35.0 × 50.0 × 57.5	19.0	6.0	B32658S2905+416	T16	56
		900	35.0 × 50.0 × 57.5	19.0	6.0	B32658S2905+417	T17	56

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:
K = ±10%
J = ±5%

Technical data

Operating temperature range	Max. operating temperature $T_{op,max}$			+110 °C
	Upper category temperature T_{max}			+100 °C
	Lower category temperature T_{min}			−55 °C
	Rated temperature T_R			+85 °C
Dissipation factor tan δ (in 10^{-3})	at	$C_R \leq 0.1$ µF	0.1 µF$<C_R \leq$1 µF	C_R >1 µF
at 20 °C	1 kHz	–	0.5	0.5
(upper limit values)	10 kHz	–	0.8	1.5
	100 kHz	5.0	–	–
Insulation resistance R_{ins}	$C_R \leq 0.33$ µF	C_R > 0.33 µF		
or time constant $\tau = C_R \cdot R_{ins}$	100 GΩ	30000 s		
at 20 °C, rel. humidity ≤ 65%				
(minimum as-delivered values)				
DC test voltage	1.6 · V_R, 2 s			
Category voltage V_C	T_{op} (°C)	DC voltage derating	AC voltage derating	
(continuous operation with V_{DC}	$T_{op} \leq 85$	$V_C = V_R$	$V_{C,RMS} = V_{RMS}$	
or V_{AC} at f ≤ 1 kHz)	$85<T_{op}\leq110$	$V_C = V_R \cdot (165-T_{op})/80$	$V_{C,RMS}=V_{RMS} \cdot (165-T_{op})/80$	
Operating voltage V_{op} for	T_{op} (°C)	DC voltage (max. hours)	AC voltage (max. hours)	
short operating periods	$T_{op} \leq 85$	$V_{op} = 1.25 \cdot V_C$ (2000 h)	$V_{op} = 1.0 \cdot V_{C,RMS}$ (2000 h)	
(V_{DC} or V_{AC} at f ≤ 1 kHz)	$85<T_{op}\leq100$	$V_{op} = 1.25 \cdot V_C$ (1000 h)	$V_{op} = 1.0 \cdot V_{C,RMS}$ (1000 h)	
Damp heat test	56 days/40 °C/93% relative humidity			
Limit values after damp	Capacitance change $\lvert\Delta C/C\rvert$		≤ 3%	
heat test	Dissipation factor change Δ tan δ		≤ 0.5 · 10^{-3} (at 1 kHz)	
			≤ 1.0 · 10^{-3} (at 10 kHz)	
	Insulation resistance R_{ins}		≥ 50% of minimum	
	or time constant $\tau = C_R \cdot R_{ins}$		as-delivered values	
Reliability:				
Failure rate λ	1 fit (≤ 1 · 10^{-9}/h) at 0.5 · V_R, 40 °C			
Service life t_{SL}	200 000 h at 1.0 · V_R, T_{op} = 85 °C			
	Considered self heating for this product family is 15 °C.			
	For conversion to other operating conditions and temperatures, refer to chapter "Reliability", page .			
Failure criteria:				
Total failure	Short circuit or open circuit			
Failure due to variation	Capacitance change $\lvert\Delta C/C\rvert$		> 10%	
of parameters	Dissipation factor tan δ		> 4 · upper limit value	
	Insulation resistance R_{ins}		< 1500 MΩ ($C_R \leq 0.33$ µF)	
	or time constant $\tau = C_R \cdot R_{ins}$		< 500 s (C_R>0.33 µF)	

Pulse handling capability

"dV/dt" represents the maximum permissible voltage change per unit of time for non-sinusoidal voltages, expressed in V/µs.

"k_0" represents the maximum permissible pulse characteristic of the waveform applied to the capacitor, expressed in $V^2/\mu s$.

Note:
The values of dV/dt and k_0 provided below must not be exceeded in order to avoid damaging the capacitor.

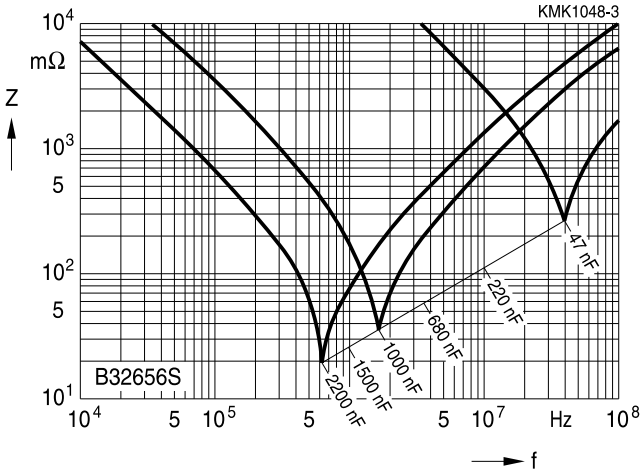
dV/dt and k_0 values B32656S

V_R (V DC)	V_{RMS} (V AC)	dV/dt in V/µs	k_0 in $V^2/\mu s$
850	450	400	680 000
1000	480	450	900 000
1250	500	500	1 250 000
1700	750	600	1 920 000
2000	800	700	2 800 000

dV/dt and k_0 values B32658S

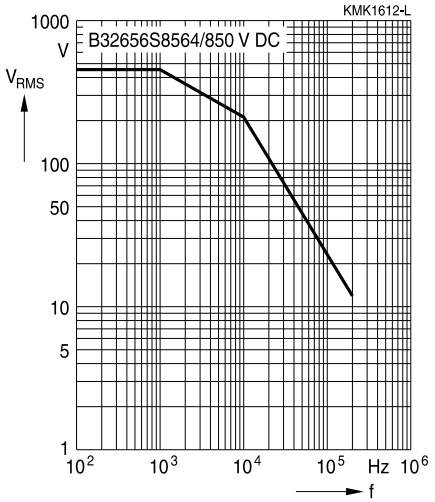
V_R (V DC)	V_{RMS} (V AC)	dV/dt in V/µs	k_0 in $V^2/\mu s$
850	450	275	467 500
1000	480	300	600 000
1250	500	350	875 000
1700	750	400	1 360 000
2000	800	475	1 900 000

Impedance Z versus frequency f
(typical values)

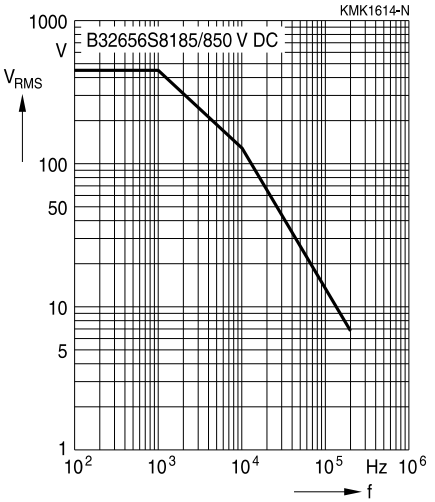


Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)
For T_A >90 °C, please refer to "General technical information", section 3.2.3.

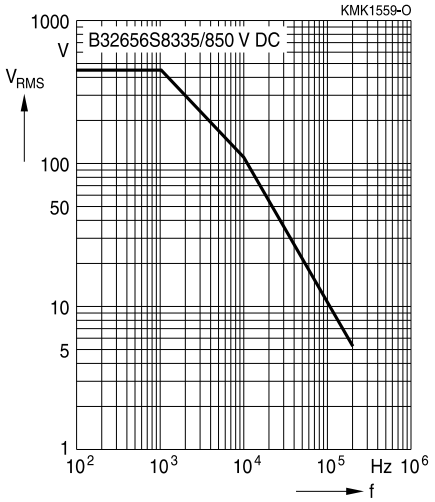
850 V DC/450 V AC, B32656S8564



850 V DC/450 V AC, B32656S8185



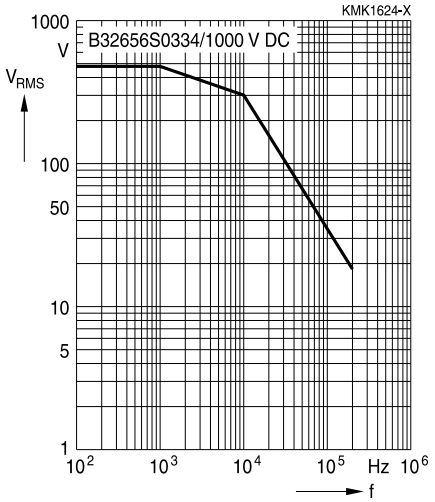
850 V DC/450 V AC, B32656S8335



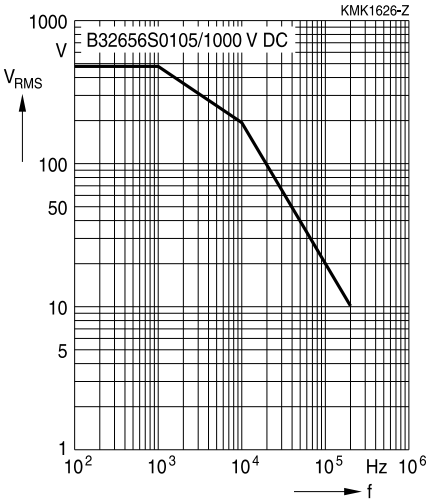
Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)

For T_A >90 °C, please refer to "General technical information", section 3.2.3.

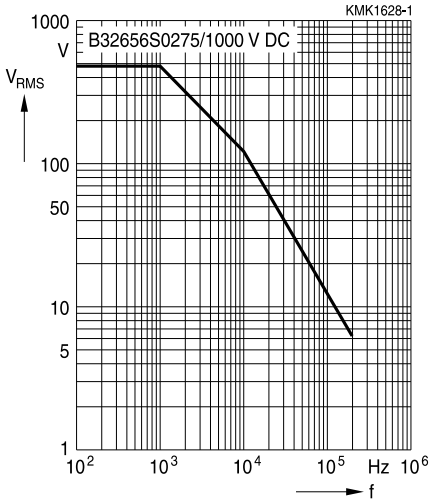
1000 V DC/480 V AC, B32656S0334



1000 V DC/480 V AC, B32656S0105

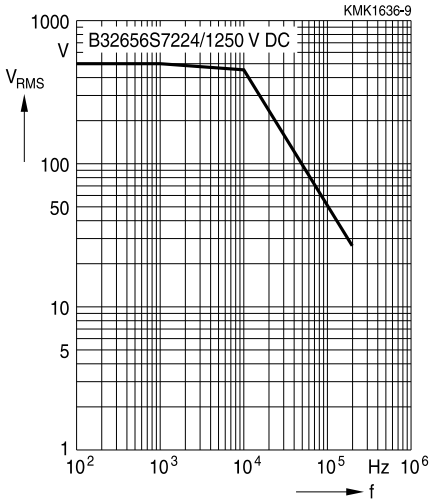


1000 V DC/480 V AC, B32656S0275

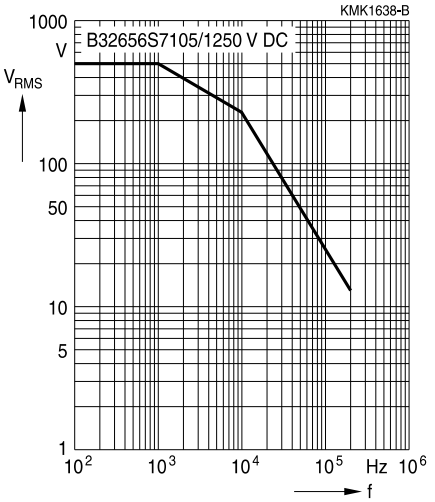


Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)
For T_A >90 °C, please refer to "General technical information", section 3.2.3.

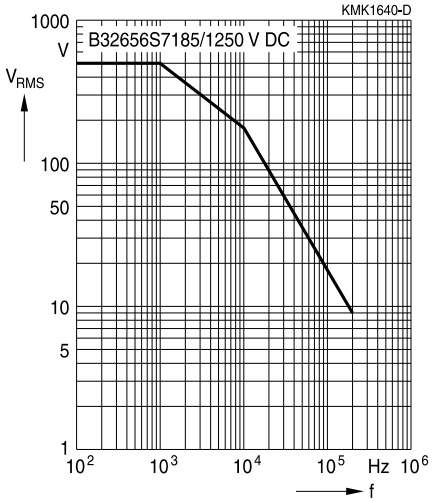
1250 V DC/500 V AC, B32656S7224



1250 V DC/500 V AC, B32656S7105



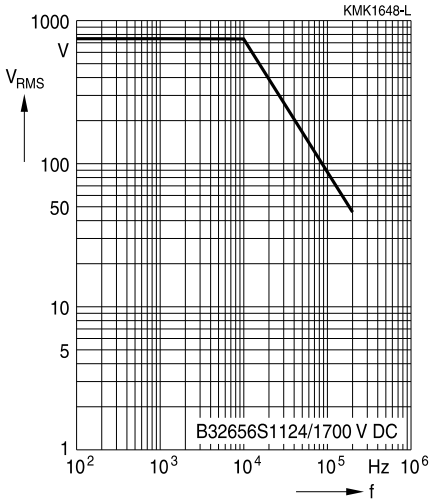
1250 V DC/500 V AC, B32656S7185



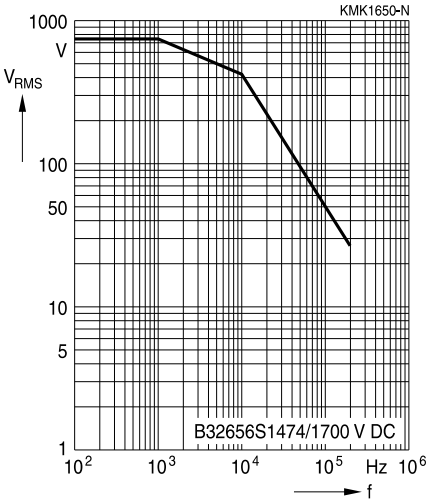
Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)

For T_A >90 °C, please refer to "General technical information", section 3.2.3.

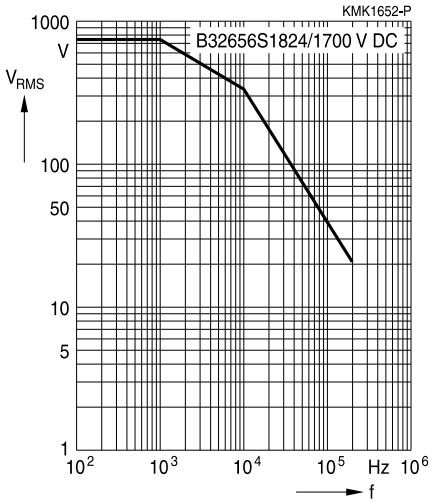
1700 V DC/750 V AC, B32656S1124



1700 V DC/750 V AC, B32656S1474

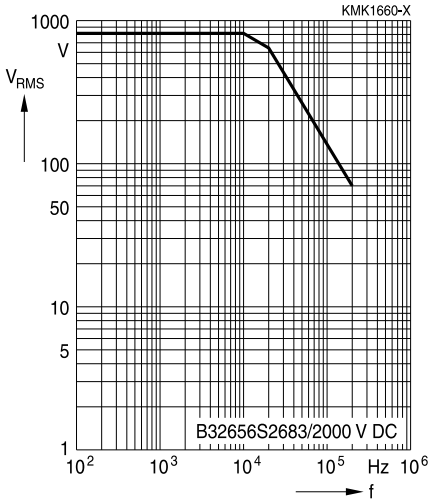


1700 V DC/750 V AC, B32656S1824

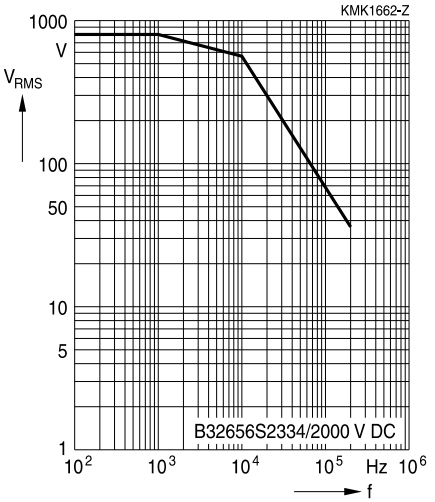


Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)
For T_A >90 °C, please refer to "General technical information", section 3.2.3.

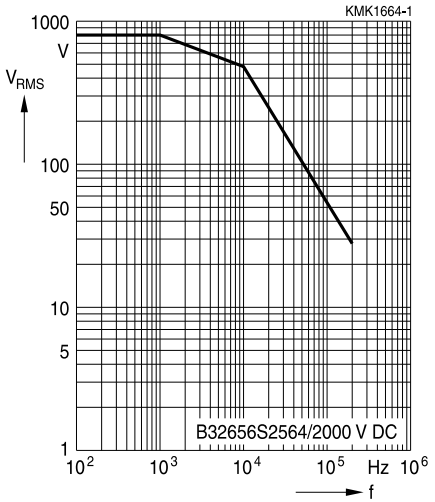
2000 V DC/800 V AC, B32656S2683



2000 V DC/800 V AC, B32656S2334



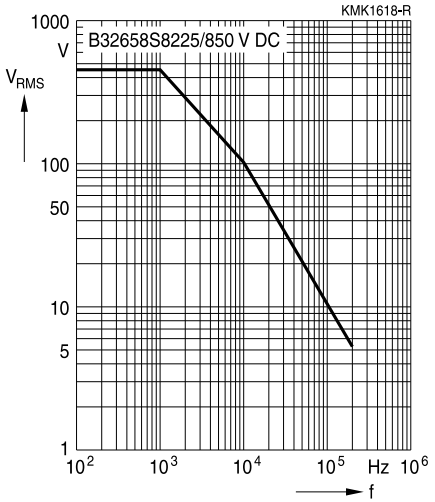
2000 V DC/800 V AC, B32656S2564



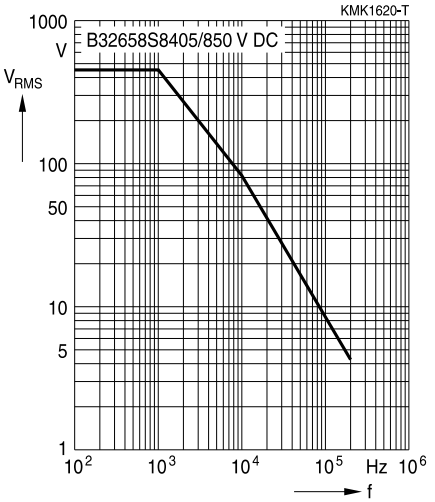
Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)

For T_A >90 °C, please refer to "General technical information", section 3.2.3.

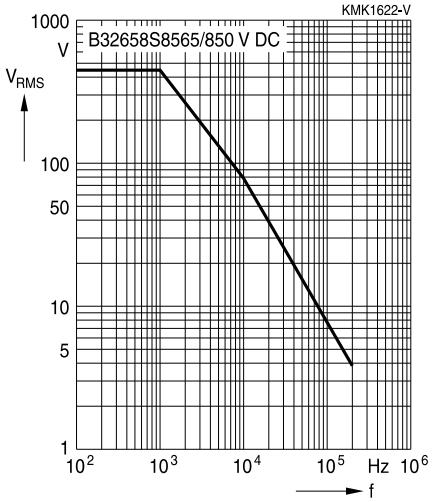
850 V DC/450 V AC, B32658S8225



850 V DC/450 V AC, B32658S8405

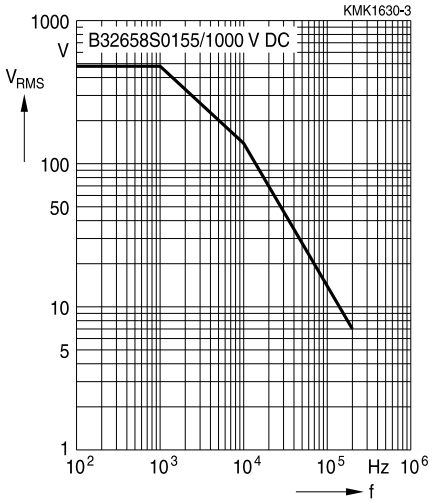


850 V DC/450 V AC, B32658S8565

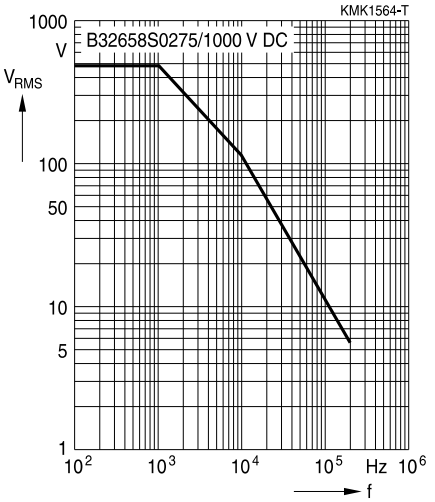


Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)
For T_A >90 °C, please refer to "General technical information", section 3.2.3.

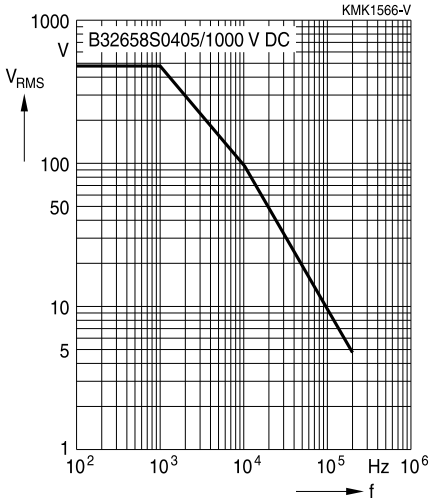
1000 V DC/480 V AC, B32658S0155



1000 V DC/480 V AC, B32658S0275



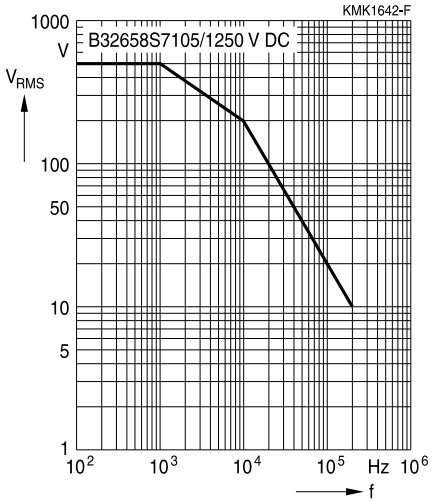
1000 V DC/480 V AC, B32658S0405



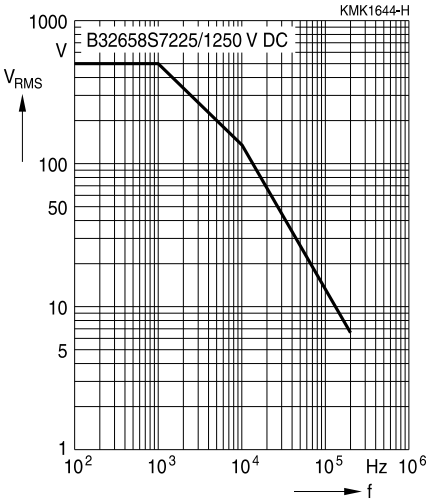
Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)

For T_A >90 °C, please refer to "General technical information", section 3.2.3.

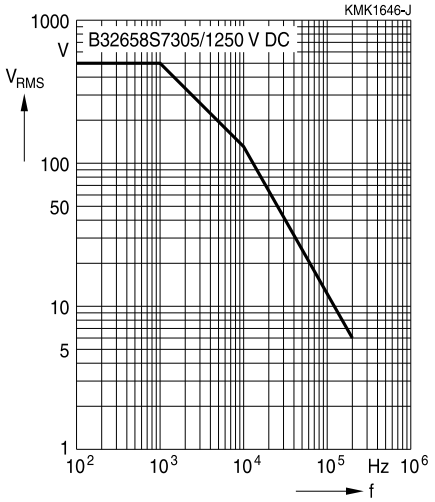
1250 V DC/500 V AC, B32658S7105



1250 V DC/500 V AC, B32658S7225

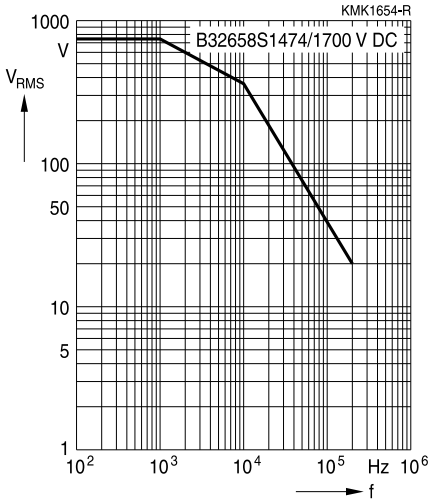


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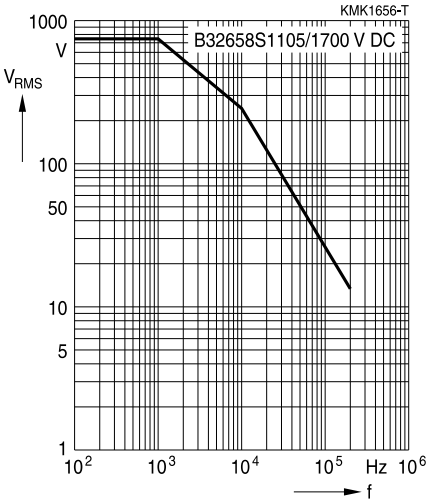


Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)
For T_A >90 °C, please refer to "General technical information", section 3.2.3.

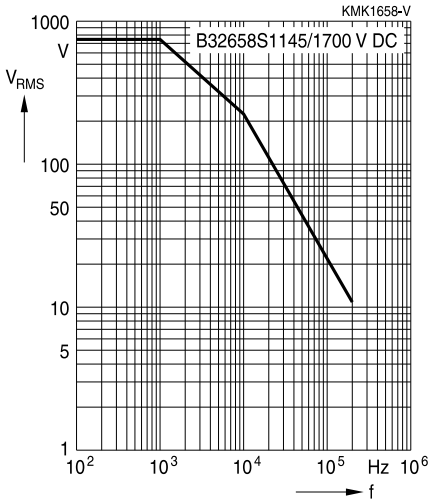
1700 V DC/500 V AC, B32658S1474



1700 V DC/500 V AC, B32658S1105



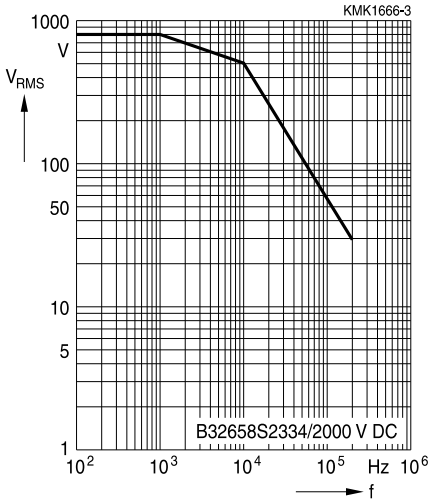
1700 V DC/500 V AC, B32658S1145



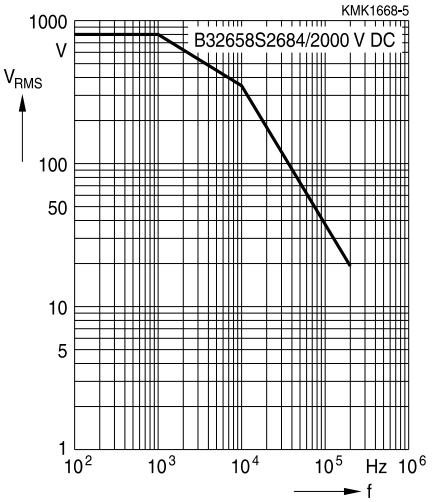
Permissible AC voltage V_{RMS} versus frequency f (for sinusoidal waveforms, $T_A \leq 90$ °C)

For T_A >90 °C, please refer to "General technical information", section 3.2.3.

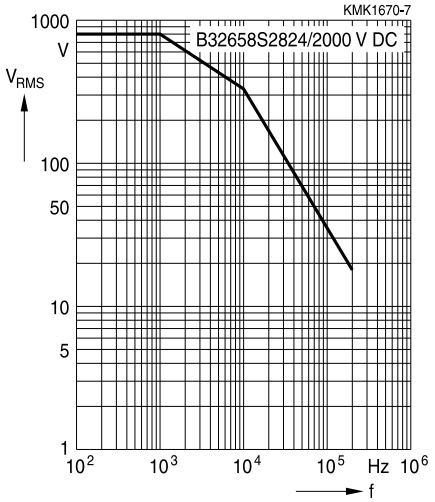
2000 V DC/800 V AC, B32658S2334



2000 V DC/800 V AC, B32658S2684

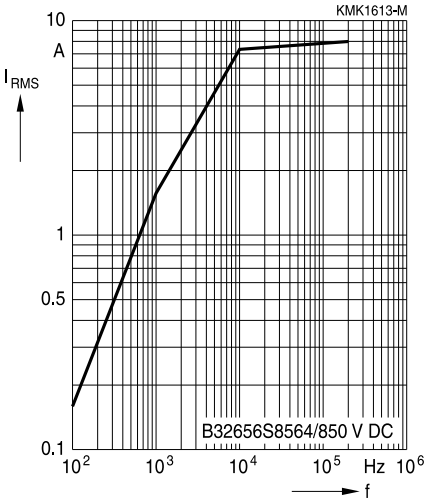


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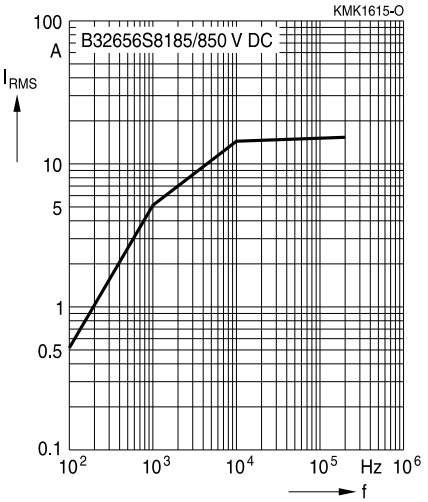


Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)
For T_A >90 °C, please use derating factor F_T.

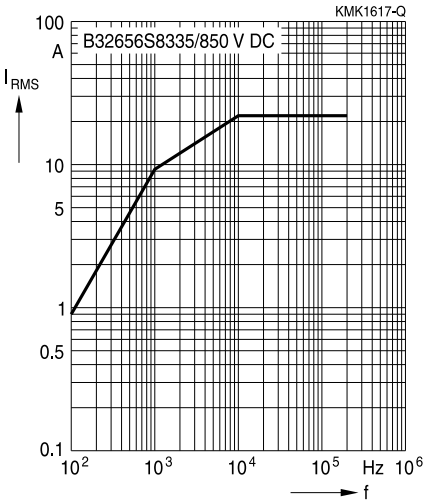
850 V DC/450 V AC, B32656S8564



850 V DC/450 V AC, B32656S8185



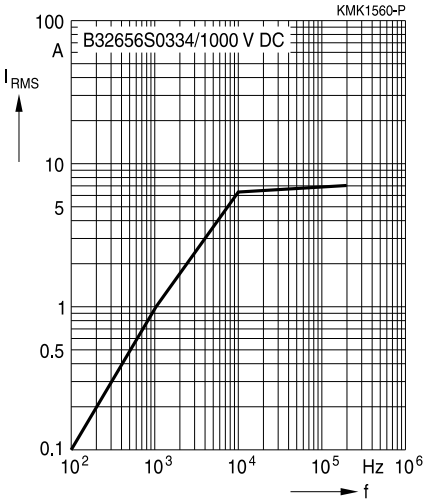
850 V DC/450 V AC, B32656S8335



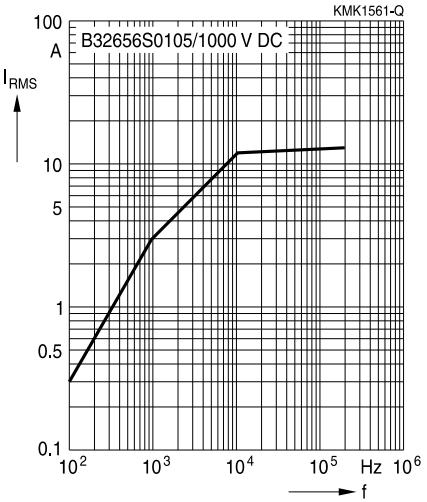
Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)

For T_A >90 °C, please use derating factor F_T.

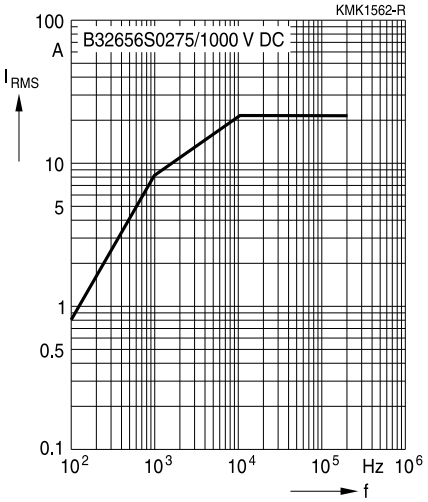
1000 V DC/480 V AC, B32656S0334



1000 V DC/480 V AC, B32656S0105



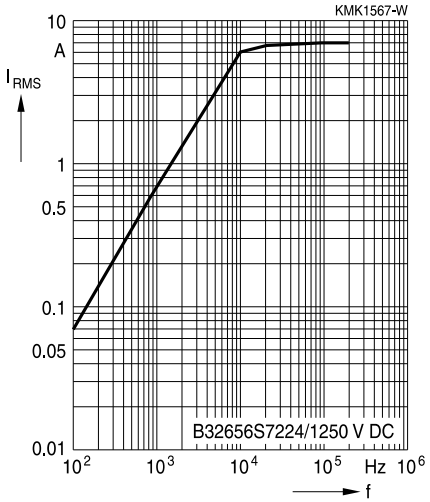
1000 V DC/480 V AC, B32656S0275



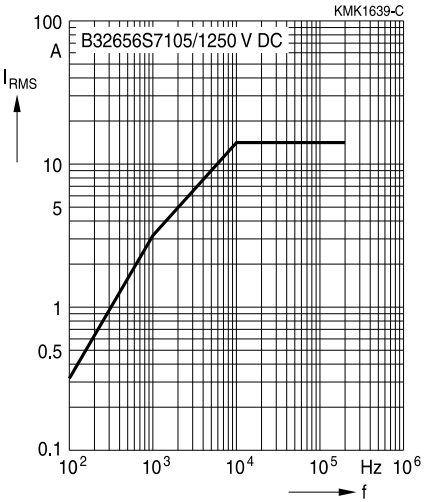
Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)

For T_A >90 °C, please use derating factor F_T.

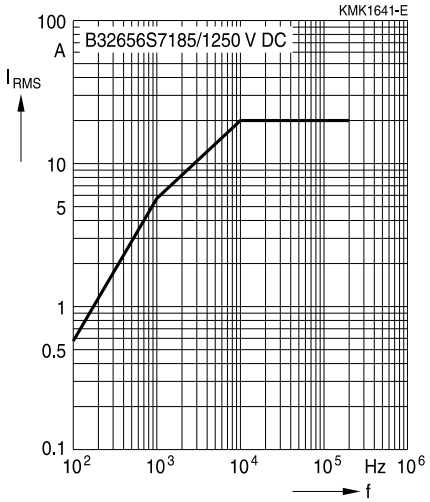
1250 V DC/500 V AC, B32656S7224



1250 V DC/500 V AC, B32656S7105



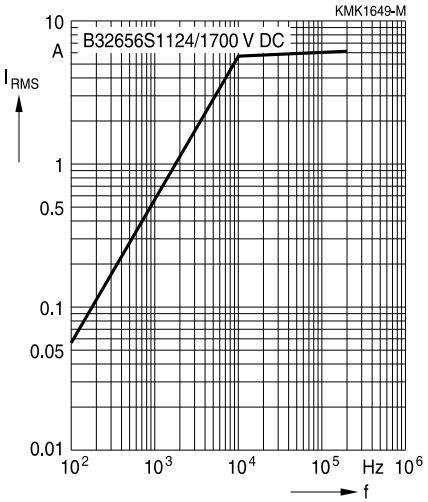
1250 V DC/500 V AC, B32656S7185



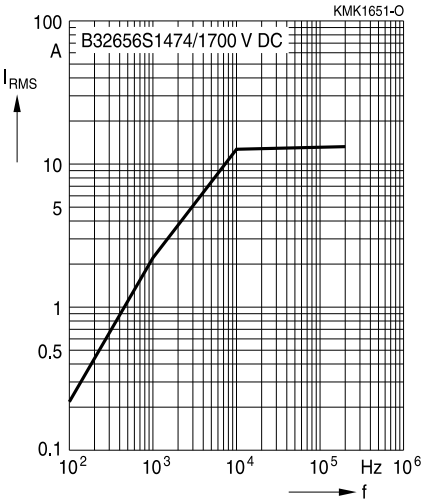
Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)

For T_A >90 °C, please use derating factor F_T.

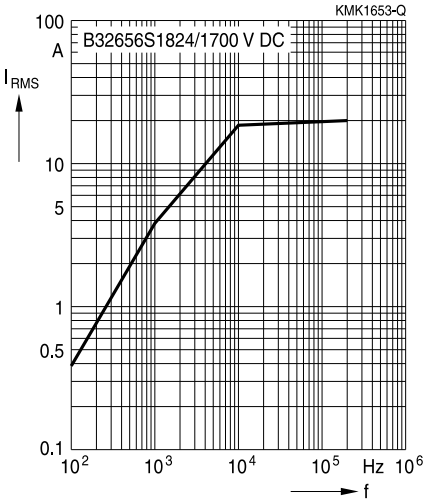
1700 V DC/750 V AC, B32656S1124



1700 V DC/750 V AC, B32656S1474

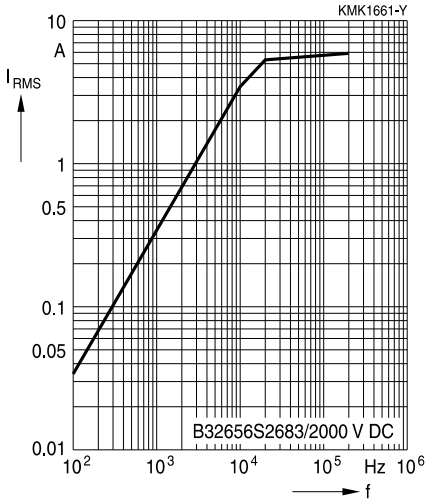


1700 V DC/750 V AC, B32656S1824

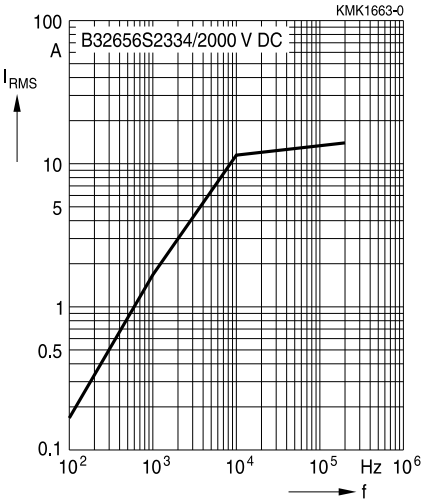


Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)
For T_A >90 °C, please use derating factor F_T.

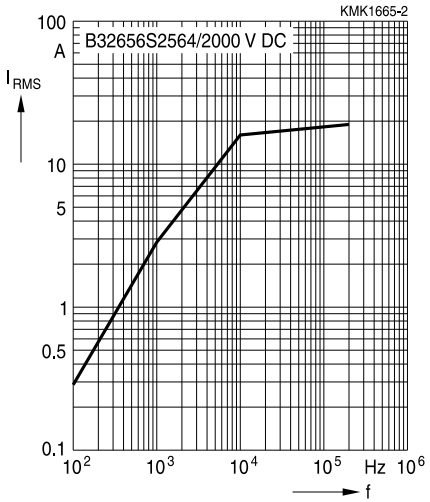
2000 V DC/800 V AC, B32656S2683



2000 V DC/800 V AC, B32656S2334



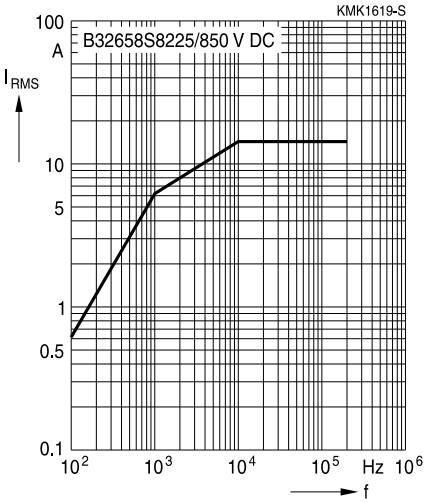
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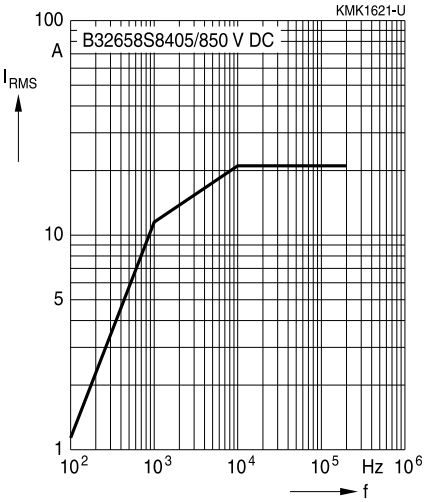
Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)

For T_A >90 °C, please use derating factor F_T.

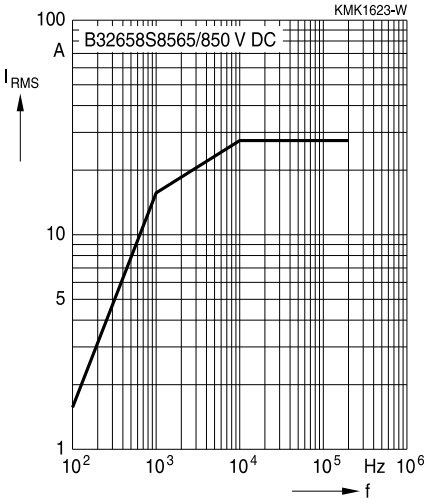
850 V DC/450 V AC, B32658S8225



850 V DC/450 V AC, B32658S8405

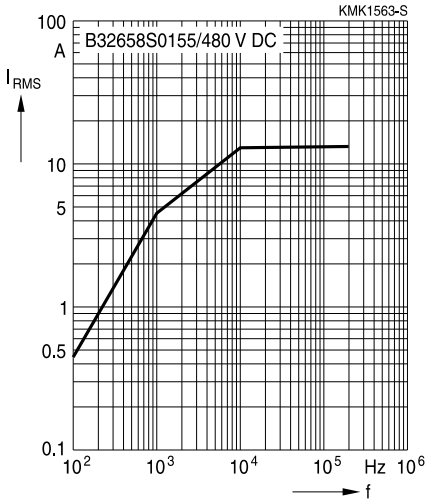


850 V DC/450 V AC, B32658S8565

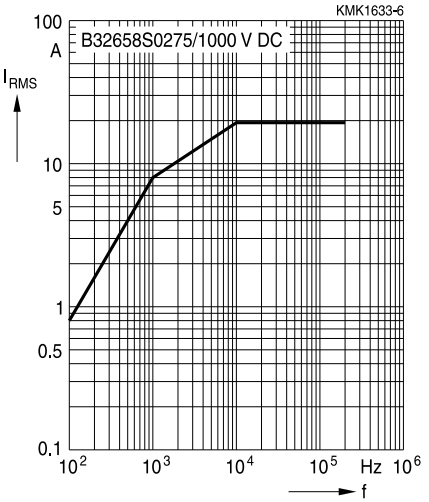


Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)
For T_A >90 °C, please use derating factor F_T.

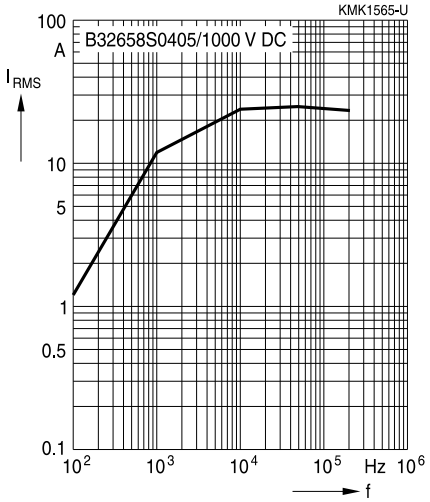
1000 V DC/480 V AC, B32658S0155



1000 V DC/480 V AC, B32658S0275



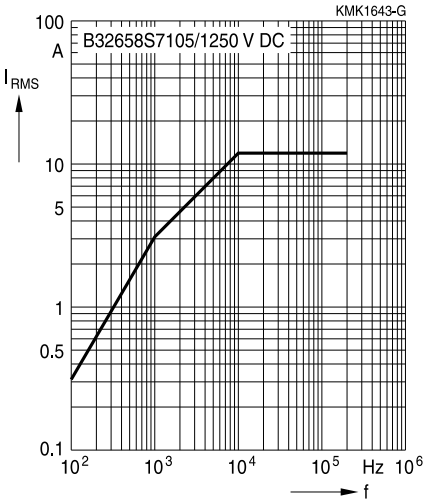
1000 V DC/480 V AC, B32658S0405



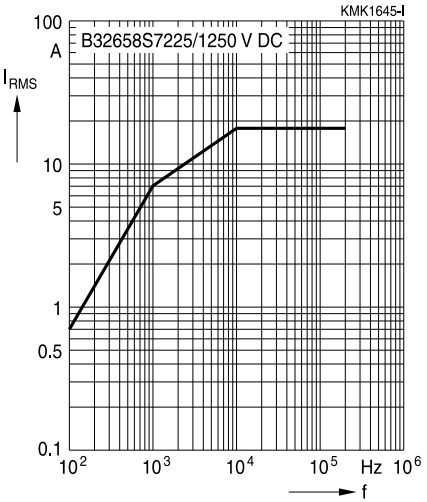
Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)

For T_A >90 °C, please use derating factor F_T.

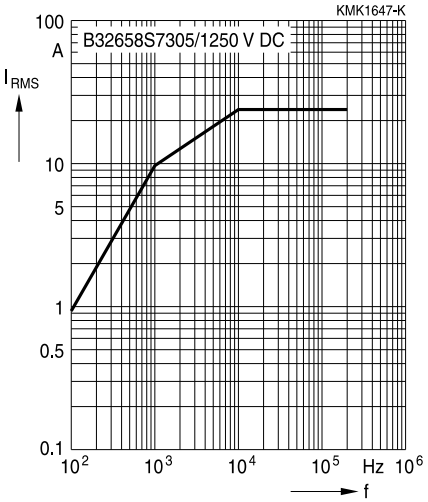
1250 V DC/500 V AC, B32658S7105



1250 V DC/500 V AC, B32658S7225

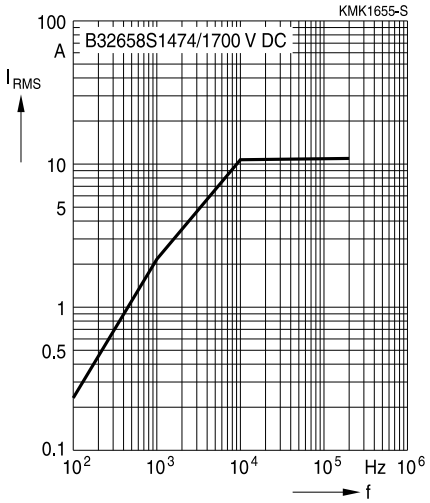


1250 V DC/500 V AC, B32658S7305

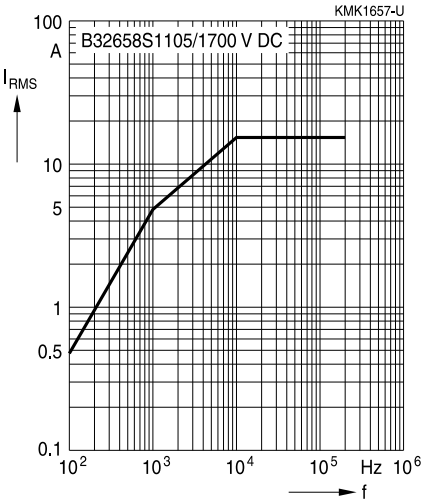


Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)
For T_A >90 °C, please use derating factor F_T.

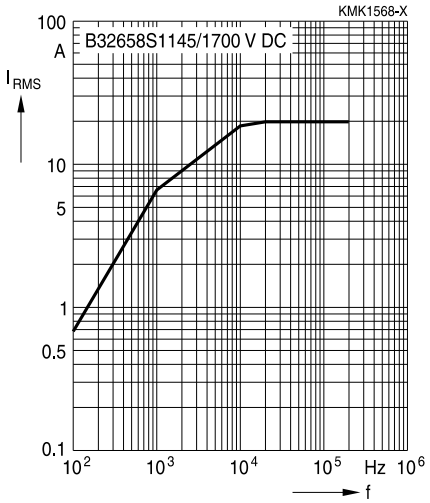
1700 V DC/500 V AC, B32658S1474



1700 V DC/500 V AC, B32658S1105



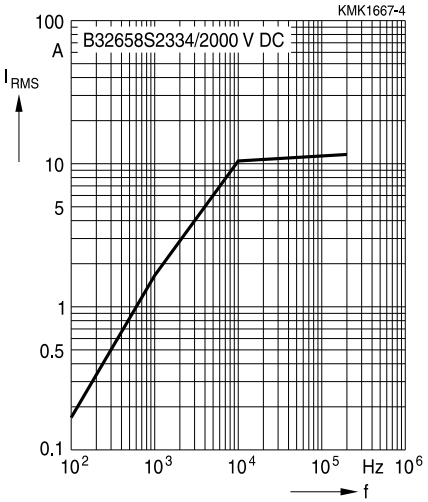
1700 V DC/500 V AC, B32658S1145



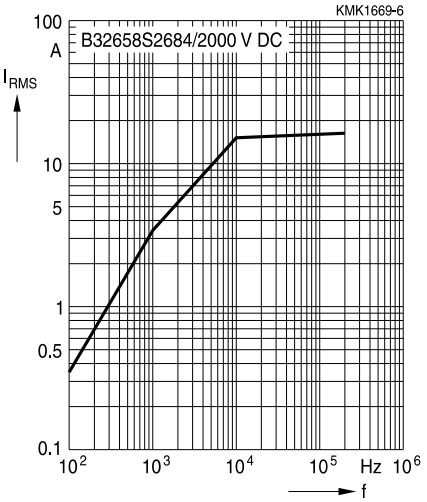
Permissible current I_{RMS} versus frequency f (for sinusoidal waveforms $T_A \leq 90$ °C)

For T_A >90 °C, please use derating factor F_T.

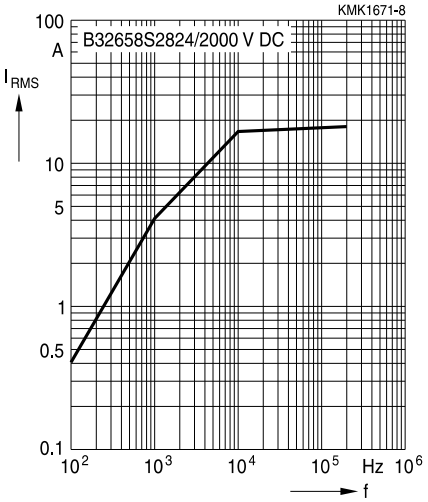
2000 V DC/800 V AC, B32658S2334



2000 V DC/800 V AC, B32658S2684



2000 V DC/800 V AC, B32658S2824



Maximum AC voltage (V_{RMS}), current (I_{RMS}) vs. frequency and temperature for T_A > 90 ºC

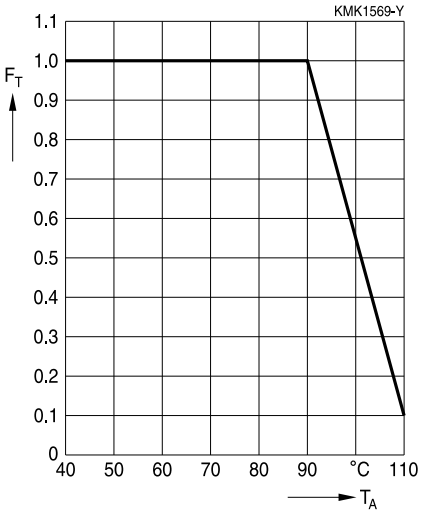
The graphs described in the previous section for the permissible AC voltage (V_{RMS}) or current (I_{RMS}) vs. frequency are given for a maximum ambient temperature $T_A \leq 90$ ºC. In case of higher ambient temperatures (T_A), the self-heating (ΔT) of the component must be reduced to avoid that temperature of the component ($T_{op} = T_A + \Delta T$) reaches values above maximum operating temperature.The factor F_T shall be applied in the following way:

$$I_{RMS}(T_A) = I_{RMS, T_A \leq 90\,^{\circ}C} \cdot F_T(T_A)$$

$$V_{RMS}(T_A) = V_{RMS, T_A \leq 90\,^{\circ}C} \cdot F_T(T_A)$$

And F_T is given by the following curve:

Curves Characteristics (I_{RMS} derating vs temperature)



Maximum I_{RMS} current as function of the ambient temperature: $I_{RMS}(T_{amb})$ = Factor × I_{RMS} (90 °C)

Testing and Standards

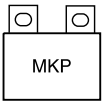
Test	Reference	Conditions of test	Performance requirements
Electrical Parameters	IEC 60384-16	Voltage proof, 1.6 V_R, 1 minute Insulation resistance, R_{INS} Capacitance, C Dissipation factor, tan δ	Within specified limits
Robustness of terminations	IEC 60068-2-21	Only tests Ua1 (20N) and Ud	Capacitance and tan δ within specified limits
Rapid change of temperature	IEC 60384-16	T_A = lower category temperature T_B = upper category temperature Five cycles, duration t = 30 min	$\lvert\Delta C/C_0\rvert \leq 2\%$ $\lvert\Delta \tan \delta\rvert \leq 0.002$ $R_{INS} \geq 50\%$ of initial limit
Vibration	IEC 60384-16	Test F_C: vibration sinusoidal Displacement: 0.75 mm Accleration: 98 m/s² Frequency: 10 Hz ... 500 Hz Test duration: 3 orthogonal axes, 2 hours each axe	No visible damage
Bump	IEC 60384-16	Test Eb: Total 4000 bumps with 390 m/s² mounted on PCB 6 ms duration	No visible damage $\lvert\Delta C/C_0\rvert \leq 2\%$ $\lvert\Delta \tan \delta\rvert \leq 0.002$ $R_{INS} \geq 50\%$ of initial limit
Climatic sequence	IEC 60384-16	Dry heat Tb / 16 h. Damp heat cyclic, 1st cycle + 55 °C / 24h / 95% ... 100% RH Cold Ta / 2h Damp heat cyclic, 5 cycles + 55 °C / 24h / 95% ... 100% rh	No visible damage $\lvert\Delta C/C_0\rvert \leq 3\%$ $\lvert\Delta \tan \delta\rvert \leq 0.003$ $R_{INS} \geq 50\%$ of initial limit
Damp Heat Steady State	IEC 60384-16	Test Ca 40 °C / 93% RH / 56 days	No visible damage $\lvert\Delta C/C_0\rvert \leq 3\%$ $\lvert\Delta \tan \delta\rvert \leq 0.002$ $R_{INS} \geq 50\%$ of initial limit
High temperature high humidity with load		60 °C / 95% RH / 1000 hours with $V_{R, DC}$	No visible damage $\lvert\Delta C/C_0\rvert \leq 10\%$ $\lvert\Delta \tan \delta\rvert \leq 0.002$ $R_{INS} \geq 50\%$ of initial limit
Endurance A		85 °C/ 1.25 V_R / 2000 hours	No visible damage $\lvert\Delta C/C_0\rvert \leq 3\%$ $\lvert\Delta \tan \delta\rvert \leq 0.002$ $R_{INS} \geq 50\%$ of initial limit
Endurance B		110 °C/ 1.25 V_C / 2000 hours	No visible damage $\lvert\Delta C/C_0\rvert \leq 3\%$ $\lvert\Delta \tan \delta\rvert \leq 0.002$ $R_{INS} \geq 50\%$ of initial limit

Cautions and warnings

- Do not exceed the upper category temperature (UCT).
- Do not apply any mechanical stress to the capacitor terminals.
- Avoid any compressive, tensile or flexural stress.
- Do not move the capacitor after it has been soldered to the PC board.
- Do not pick up the PC board by the soldered capacitor.
- Do not place the capacitor on a PC board whose PTH hole spacing differs from the specified lead spacing.
- Do not exceed the specified time or temperature limits during soldering.
- Avoid external energy inputs, such as fire or electricity.
- Avoid overload of the capacitors.

The table below summarizes the safety instructions that must always be observed. A detailed description can be found in the relevant sections of the chapters "General technical information" and "Mounting guidelines".

Topic	Safety information	Reference chapter "General technical information"
Storage conditions	Make sure that capacitors are stored within the specified range of time, temperature and humidity conditions.	4.5 "Storage conditions"
Flammability	Avoid external energy, such as fire or electricity (passive flammability), avoid overload of the capacitors (active flammability) and consider the flammability of materials.	5.3 "Flammability"
Resistance to vibration	Do not exceed the tested ability to withstand vibration. The capacitors are tested to IEC 60068-2-6. EPCOS offers film capacitors specially designed for operation under more severe vibration regimes such as those found in automotive applications. Consult our catalog "Film Capacitors for Automotive Electronics".	5.2 "Resistance to vibration"



B32656S ... B32658S

Snubber (wound)

Topic	Safety information	Reference chapter "Mounting guidelines"
Soldering	Do not exceed the specified time or temperature limits during soldering.	1 "Soldering"
Cleaning	Use only suitable solvents for cleaning capacitors.	2 "Cleaning"
Embedding of capacitors in finished assemblies	When embedding finished circuit assemblies in plastic resins, chemical and thermal influences must be taken into account. Caution: Consult us first, if you also wish to embed other uncoated component types!	3 "Embedding of capacitors in finished assemblies"

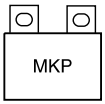
Display of ordering codes for EPCOS products

The ordering code for one and the same product can be represented differently in data sheets, data books, other publications and the website of EPCOS, or in order-related documents such as shipping notes, order confirmations and product labels. **The varying representations of the ordering codes are due to different processes employed and do not affect the specifications of the respective products**. Detailed information can be found on the Internet under www.epcos.com/orderingcodes.

Symbols and terms

Symbol	English	German
α	Heat transfer coefficient	Wärmeübergangszahl
α_C	Temperature coefficient of capacitance	Temperaturkoeffizient der Kapazität
A	Capacitor surface area	Kondensatoroberfläche
β_C	Humidity coefficient of capacitance	Feuchtekoeffizient der Kapazität
C	Capacitance	Kapazität
C_R	Rated capacitance	Nennkapazität
ΔC	Absolute capacitance change	Absolute Kapazitätsänderung
$\Delta C/C$	Relative capacitance change (relative deviation of actual value)	Relative Kapazitätsänderung (relative Abweichung vom Ist-Wert)
$\Delta C/C_R$	Capacitance tolerance (relative deviation from rated capacitance)	Kapazitätstoleranz (relative Abweichung vom Nennwert)
dt	Time differential	Differentielle Zeit
Δt	Time interval	Zeitintervall
ΔT	Absolute temperature change (self-heating)	Absolute Temperaturänderung (Selbsterwärmung)
$\Delta \tan \delta$	Absolute change of dissipation factor	Absolute Änderung des Verlustfaktors
ΔV	Absolute voltage change	Absolute Spannungsänderung
dV/dt	Time differential of voltage function (rate of voltage rise)	Differentielle Spannungsänderung (Spannungsflankensteilheit)
$\Delta V/\Delta t$	Voltage change per time interval	Spannungsänderung pro Zeitintervall
E	Activation energy for diffusion	Aktivierungsenergie zur Diffusion
ESL	Self-inductance	Eigeninduktivität
ESR	Equivalent series resistance	Ersatz-Serienwiderstand
f	Frequency	Frequenz
f_1	Frequency limit for reducing permissible AC voltage due to thermal limits	Grenzfrequenz für thermisch bedingte Reduzierung der zulässigen Wechselspannung
f_2	Frequency limit for reducing permissible AC voltage due to current limit	Grenzfrequenz für strombedingte Reduzierung der zulässigen Wechselspannung
f_r	Resonant frequency	Resonanzfrequenz
F_D	Thermal acceleration factor for diffusion	Therm. Beschleunigungsfaktor zur Diffusion
F_T	Derating factor	Deratingfaktor
i	Current (peak)	Stromspitze
I_C	Category current (max. continuous current)	Kategoriestrom (max. Dauerstrom)

Symbol	English	German
I_{RMS}	(Sinusoidal) alternating current, root-mean-square value	(Sinusförmiger) Wechselstrom
i_z	Capacitance drift	Inkonstanz der Kapazität
k_0	Pulse characteristic	Impulskennwert
L_S	Series inductance	Serieninduktivität
λ	Failure rate	Ausfallrate
λ_0	Constant failure rate during useful service life	Konstante Ausfallrate in der Nutzungsphase
λ_{test}	Failure rate, determined by tests	Experimentell ermittelte Ausfallrate
P_{diss}	Dissipated power	Abgegebene Verlustleistung
P_{gen}	Generated power	Erzeugte Verlustleistung
Q	Heat energy	Wärmeenergie
ρ	Density of water vapor in air	Dichte von Wasserdampf in Luft
R	Universal molar constant for gases	Allg. Molarkonstante für Gas
R	Ohmic resistance of discharge circuit	Ohmscher Widerstand des Entladekreises
R_i	Internal resistance	Innenwiderstand
R_{ins}	Insulation resistance	Isolationswiderstand
R_P	Parallel resistance	Parallelwiderstand
R_S	Series resistance	Serienwiderstand
S	severity (humidity test)	Schärfegrad (Feuchtetest)
t	Time	Zeit
T	Temperature	Temperatur
τ	Time constant	Zeitkonstante
tan δ	Dissipation factor	Verlustfaktor
tan δ_D	Dielectric component of dissipation factor	Dielektrischer Anteil des Verlustfaktors
tan δ_P	Parallel component of dissipation factor	Parallelanteil des Verlfustfaktors
tan δ_S	Series component of dissipation factor	Serienanteil des Verlustfaktors
T_A	Temperature of the air surrounding the component	Temperatur der Luft, die das Bauteil umgibt
T_{max}	Upper category temperature	Obere Kategorietemperatur
T_{min}	Lower category temperature	Untere Kategorietemperatur
t_{OL}	Operating life at operating temperature and voltage	Betriebszeit bei Betriebstemperatur und -spannung
T_{op}	Operating temperature	Beriebstemperatur
T_R	Rated temperature	Nenntemperatur
T_{ref}	Reference temperature	Referenztemperatur
t_{SL}	Reference service life	Referenz-Lebensdauer



Symbol	English	German
V_{AC}	AC voltage	Wechselspannung
V_C	Category voltage	Kategoriespannung
$V_{C,RMS}$	Category AC voltage	(Sinusförmige) Kategorie-Wechselspannung
V_{CD}	Corona-discharge onset voltage	Teilentlade-Einsatzspannung
V_{ch}	Charging voltage	Ladespannung
V_{DC}	DC voltage	Gleichspannung
V_{FB}	Fly-back capacitor voltage	Spannung (Flyback)
V_i	Input voltage	Eingangsspannung
V_o	Output voltage	Ausgangssspannung
V_{op}	Operating voltage	Betriebsspannung
V_p	Peak pulse voltage	Impuls-Spitzenspannung
V_{pp}	Peak-to-peak voltage Impedance	Spannungshub
V_R	Rated voltage	Nennspannung
$\hat{V}_R$	Amplitude of rated AC voltage	Amplitude der Nenn-Wechselspannung
V_{RMS}	(Sinusoidal) alternating voltage, root-mean-square value	(Sinusförmige) Wechselspannung
V_{SC}	S-correction voltage	Spannung bei Anwendung "S-correction"
V_{sn}	Snubber capacitor voltage	Spannung bei Anwendung "Beschaltung"
Z	Impedance	Scheinwiderstand
e	Lead spacing	Rastermaß

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