

KME-BP Series

- Standard Bi-polarized type
- Endurance : 105°C 1000 hours
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)
- Pb-free design

KME-BP

bi-polarized

KME

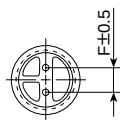
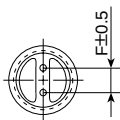
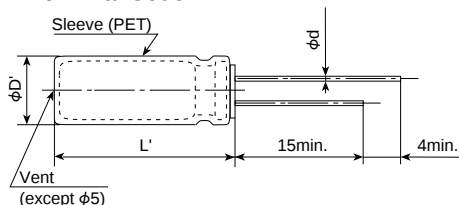


SPECIFICATIONS

Items	Characteristics										
Category											
Temperature Range	-55 to +105°C										
Rated Voltage Range	6.3 to 100V _{dc}										
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)										
Leakage Current	I=0.06CV or 10μA, whichever is greater. (at 20°C after 2 minutes) I=0.03CV or 3μA, whichever is greater. (at 20°C after 5 minutes) Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)										
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	(at 20°C, 120Hz)
	tanδ (Max.)	0.24	0.24	0.20	0.20	0.16	0.14	0.12	0.12	0.10	
	When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.										
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	(at 120Hz)
	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	2	2	2	
	Z(-40°C)/Z(+20°C)	10	8	6	4	3	3	3	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 105°C, however the polarization shall be reversed every 250 hours.										
	Rated voltage	6.3 to 16V _{dc}					25 to 100V _{dc}				
	Capacitance change	≤±25% of the initial value					≤±20% of the initial value				
	D.F. (tanδ)	≤150% of the initial specified value									
	Leakage current	≤The initial specified value									
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.										
	Rated voltage	6.3 to 16V _{dc}					25 to 100V _{dc}				
	Capacitance change	≤±25% of the initial value					≤±20% of the initial value				
	D.F. (tanδ)	≤150% of the initial specified value									
	Leakage current	≤The initial specified value									

DIMENSIONS [mm]

- Terminal Code : E



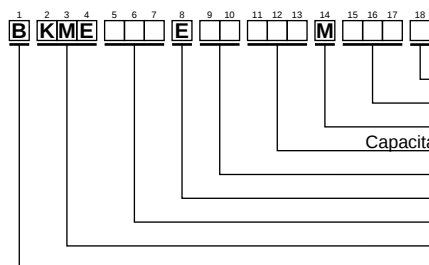
(φ5 to φ10)

(φ12.5 to φ18)

Gas escape end seal

φD	5	6.3	8	10	12.5	16	18
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φD'	φD+0.5max.						
L'	L+1.5max.						

PART NUMBERING SYSTEM



Supplement code

Size code

Capacitance tolerance code

Capacitance code (ex. 0.1μF:R10, 10μF:100, 100μF:101)

Lead forming-taping code

Terminal code

Voltage code (ex. 6.3V:6R3, 35V:350, 50V:500)

Series code

Category

Please refer to "A guide to global code (radial lead type)"

KME-BP Series

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (mA _{rms} /105°C, 120Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (mA _{rms} /105°C, 120Hz)	Part No.
6.3	33	5×11	0.24	45	BKME6R3E□□330ME11D	35	220	12.5×20	0.16	290	BKME350E□□221MK20S
	47	5×11	0.24	54	BKME6R3E□□470ME11D		330	12.5×20	0.16	350	BKME350E□□331MK20S
	100	6.3×11	0.24	90	BKME6R3E□□101MF11D		470	12.5×25	0.16	465	BKME350E□□471MK25S
	220	8×11.5	0.24	150	BKME6R3E□□221MHB5D		1000	16×31.5	0.16	805	BKME350E□□102MLN3S
	330	8×11.5	0.24	185	BKME6R3E□□331MHB5D		0.47	5×11	0.14	7.0	BKME500E□□471ME11D
	470	10×12.5	0.24	260	BKME6R3E□□471MJC5S	50	1.0	5×11	0.14	10	BKME500E□□1R0ME11D
	1000	10×20	0.24	460	BKME6R3E□□102MJ20S		2.2	5×11	0.14	15	BKME500E□□2R2ME11D
	2200	12.5×25	0.26	820	BKME6R3E□□222MK25S		3.3	5×11	0.14	18	BKME500E□□3R3ME11D
	3300	16×25	0.28	1110	BKME6R3E□□332ML25S		4.7	5×11	0.14	22	BKME500E□□4R7ME11D
	4700	16×31.5	0.30	1430	BKME6R3E□□472MLN3S		10	6.3×11	0.14	37	BKME500E□□100MF11D
10	6800	18×35.5	0.34	1830	BKME6R3E□□682MMP1S		22	8×11.5	0.14	63	BKME500E□□220MHB5D
	22	5×11	0.24	37	BKME100E□□220ME11D		33	8×11.5	0.14	77	BKME500E□□330MHB5D
	33	5×11	0.24	45	BKME100E□□330ME11D		47	10×12.5	0.14	105	BKME500E□□470MJC5S
	47	5×11	0.24	54	BKME100E□□470ME11D		100	10×20	0.14	190	BKME500E□□101MJ20S
	100	6.3×11	0.24	90	BKME100E□□101MF11D		220	12.5×25	0.14	340	BKME500E□□221MK25S
	220	8×11.5	0.24	150	BKME100E□□221MHB5D		330	16×25	0.14	460	BKME500E□□331ML25S
	330	10×16	0.24	240	BKME100E□□331MJ16S		470	16×31.5	0.14	590	BKME500E□□471MLN3S
	470	10×16	0.24	290	BKME100E□□471MJ16S	63	3.3	5×11	0.12	20	BKME630E□□3R3ME11D
	1000	12.5×20	0.24	510	BKME100E□□102MK20S		4.7	6.3×11	0.12	24	BKME630E□□4R7MF11D
	2200	16×25	0.26	910	BKME100E□□222ML25S		10	6.3×11	0.12	40	BKME630E□□100MF11D
	3300	16×31.5	0.28	1200	BKME100E□□332MLN3S		22	8×11.5	0.12	68	BKME630E□□220MHB5D
	4700	18×35.5	0.30	1520	BKME100E□□472MMP1S		33	10×12.5	0.12	98	BKME630E□□330MJC5S
16	10	5×11	0.20	27	BKME160E□□100ME11D		47	10×16	0.12	130	BKME630E□□470MJ16S
	22	5×11	0.20	40	BKME160E□□220ME11D		100	12.5×20	0.12	225	BKME630E□□101MK20S
	33	5×11	0.20	49	BKME160E□□330ME11D		220	16×25	0.12	405	BKME630E□□221ML25S
	47	6.3×11	0.20	67	BKME160E□□470MF11D		330	16×31.5	0.12	535	BKME630E□□331MLN3S
	100	8×11.5	0.20	110	BKME160E□□101MHB5D		470	18×35.5	0.12	680	BKME630E□□471MMP1S
	220	10×12.5	0.20	195	BKME160E□□221MJC5S	80	2.2	5×11	0.12	16	BKME800E□□2R2ME11D
	330	10×16	0.20	265	BKME160E□□331MJ16S		3.3	6.3×11	0.12	23	BKME800E□□3R3MF11D
	470	10×20	0.20	345	BKME160E□□471MJ20S		4.7	6.3×11	0.12	27	BKME800E□□4R7MF11D
	1000	12.5×25	0.20	605	BKME160E□□102MK25S		10	8×11.5	0.12	46	BKME800E□□100MHB5D
	2200	16×31.5	0.22	1070	BKME160E□□222MLN3S		22	10×16	0.12	89	BKME800E□□220MJ16S
	3300	18×35.5	0.24	1400	BKME160E□□332MMP1S		33	10×16	0.12	105	BKME800E□□330MJ16S
25	10	5×11	0.20	27	BKME250E□□100ME11D		47	10×20	0.12	140	BKME800E□□470MJ20S
	22	6.3×11	0.20	46	BKME250E□□220MF11D		100	12.5×25	0.12	245	BKME800E□□101MK25S
	33	6.3×11	0.20	56	BKME250E□□330MF11D		220	16×31.5	0.12	435	BKME800E□□221MLN3S
	47	6.3×11	0.20	67	BKME250E□□470MF11D		330	18×35.5	0.12	570	BKME800E□□331MMP1S
	100	8×11.5	0.20	110	BKME250E□□101MHB5D	100	0.47	5×11	0.10	8.0	BKME101E□□471ME11D
	220	10×16	0.20	215	BKME250E□□221MJ16S		1.0	5×11	0.10	12	BKME101E□□1R0ME11D
	330	12.5×20	0.20	320	BKME250E□□331MK20S		2.2	6.3×11	0.10	20	BKME101E□□2R2MF11D
	470	12.5×20	0.20	380	BKME250E□□471MK20S		3.3	6.3×11	0.10	25	BKME101E□□3R3MF11D
	1000	16×25	0.20	670	BKME250E□□102ML25S		4.7	6.3×11	0.10	30	BKME101E□□4R7MF11D
	2200	18×35.5	0.22	1140	BKME250E□□222MMP1S		10	8×11.5	0.10	50	BKME101E□□100MHB5D
35	4.7	5×11	0.16	21	BKME350E□□4R7ME11D		22	10×16	0.10	97	BKME101E□□220MJ16S
	10	5×11	0.16	30	BKME350E□□100ME11D		33	12.5×20	0.10	140	BKME101E□□330MK20S
	22	6.3×11	0.16	51	BKME350E□□220MF11D		47	12.5×20	0.10	170	BKME101E□□470MK20S
	33	8×11.5	0.16	72	BKME350E□□330MHB5D		100	16×25	0.10	300	BKME101E□□101ML25S
	47	8×11.5	0.16	86	BKME350E□□470MHB5D		220	18×35.5	0.10	510	BKME101E□□221MMP1S
	100	10×16	0.16	160	BKME350E□□101MJ16S						

□□ : Lead forming / Taping code