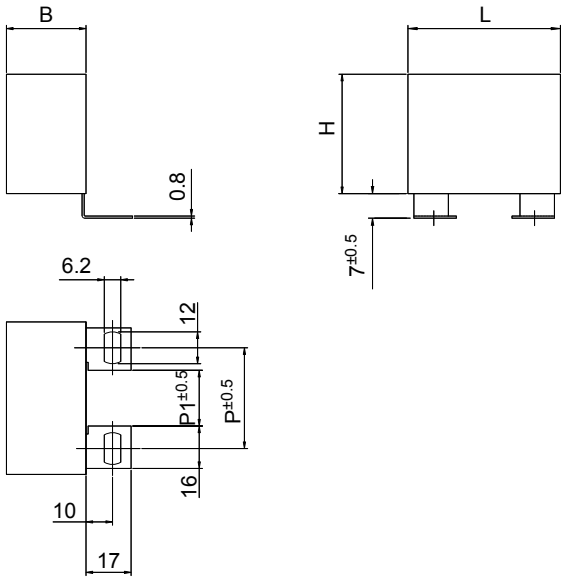
General characteristics

- Self-Healing
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications



TECHNICAL DATA

General technical data	VDE 0560 - IEC61071 - EN61071
Application class (DIN 40040)	GPD / LS
Temperature range (Case)	-40 to + 85 °C
Max permissible ambient temperature	+70 °C
Capacitance tolerance code (15th digit)	J = ± 5 % ; K = ± 10%
Peak non-repetitive max current	I_{PKR} x 1.5
Test voltage terminal to terminal U_{TT}	2 Un for 10 seconds
Test voltage terminal to case U_{TC}	3kV - 50Hz for 60 seconds
Dissipation factor (tgδ)	≤ 5 x 10^{-4} at 1 kHz and 20 °C
Permissible relative humidity	Annual average ≤ 95% on 30 days / year, continuously 100% on other days occasionally 100%. Dewing not admissible
IEC climatic category	40 / 85 / 56 according to IEC 68-1
Capacitance deviation in the operating temperature range of –40 to +85 °C	±1.5% max on capacitance value measured at +20 °C
Change of capacitance versus operating time	-3% after 30.000 hours at U_{RMS} or after 100.000 hours at Un
Case components	Solvent resistant plastic case with epoxy resin sealing. Flame retardant execution (UL class 94 V0).
Terminals	Tinned brass lugs
Installation	Whatever Position
Life Expectancy	≥ 30.000 hours at U_{RMS}; ≥ 100.000 hours at Un
Failure quota	300 / 10^9 components hour

PEAK VOLTAGE TABLE

Un	850 V	1000 V	1200 V	2000 V	3000 V
$\hat{U}_{MAX}$	1200 V	1300 V	1600 V	2400 V	3500 V

GENERAL CHARACTERISTICS

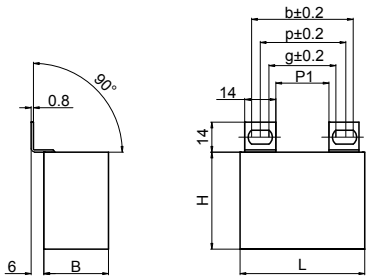
Code	C	Un	U_{RMS}	dV/dt	I_{PKR}	ESR max @ 100 kHz	ESL	I_{RMS} 100 kHz @ 70°C	DIMENSIONS mm		
	µF	Vdc	Vac	V/µs	A	mΩ	nH	A	B	H	L
C4BSMBX3470ZEE_	0.47	850	550	1232	579	4.2	36	20	18	33	32
C4BSMBX3470Z_F_	0.47	850	550	758	356	8.2	41	16	20	40	41.5
C4BSMBX3680Z_F_	0.68	850	550	758	516	5.7	41	19	20	40	41.5
C4BSMBX4100Z_F_	1	850	550	758	758	4.0	41	22	20	40	41.5
C4BSMBX4150Z_J_	1.5	850	550	758	1138	2.7	36	29	28	37	42.5
C4BSMBX4200Z_L_	2	850	550	758	1517	2.1	43	36	30	45	42
C4BSMBX4220Z_L_	2.2	850	550	758	1668	1.9	43	37	30	45	42
C4BSMBX4250Z_M_	2.5	850	550	469	1174	1.7	45	39	30	45	57.5
C4BSMBX4300Z_M_	3	850	550	469	1408	3.0	45	32	30	45	57.5
C4BSMBX4330Z_M_	3.3	850	550	469	1549	2.8	45	33	30	45	57.5
C4BSMBX4400Z_N_	4	850	550	469	1878	2.3	48	36	35	50	57.5
C4BSMBX4500Z_N_	5	850	550	469	2347	1.9	48	42	35	50	57.5
C4BSNBX3470ZEE_	0.47	1000	600	1344	632	3.9	36	20	18	33	32
C4BSNBX3470Z_F_	0.47	1000	600	827	389	7.6	41	16	20	40	41.5
C4BSNBX3680Z_F_	0.68	1000	600	827	563	5.3	41	20	20	40	41.5
C4BSNBX4100Z_F_	1	1000	600	827	827	3.7	41	23	20	40	41.5
C4BSNBX4150Z_J_	1.5	1000	600	827	1241	2.5	36	30	28	37	42.5
C4BSNBX4200Z_L_	2	1000	600	827	1655	2.0	43	36	30	45	42
C4BSNBX4220Z_M_	2.2	1000	600	512	1127	3.8	45	29	30	45	57.5
C4BSNBX4250Z_M_	2.5	1000	600	512	1280	3.3	45	30	30	45	57.5
C4BSNBX4300Z_M_	3	1000	600	512	1536	2.8	45	33	30	45	57.5
C4BSNBX4330Z_M_	3.3	1000	600	512	1690	2.6	45	34	30	45	57.5
C4BSNBX4400Z_N_	4	1000	600	512	2049	2.2	48	40	35	50	57.5
C4BSPBX3330ZEE_	0.33	1200	630	1568	518	5.0	36	19	18	33	32
C4BSPBX3330Z_F_	0.33	1200	630	965	319	9.5	41	15	20	40	41.5
C4BSPBX3470Z_F_	0.47	1200	630	965	454	6.7	41	18	20	40	41.5
C4BSPBX3680Z_F_	0.68	1200	630	965	656	4.7	41	21	20	40	41.5
C4BSPBX4100Z_J_	1	1200	630	965	965	3.3	36	27	28	37	42.5
C4BSPBX4120Z_J_	1.2	1200	630	965	1158	2.8	36	29	28	37	42.5
C4BSPBX4150Z_L_	1.5	1200	630	965	1448	2.3	43	34	30	45	42
C4BSPBX4200Z_M_	2	1200	630	598	1195	3.6	45	29	30	45	57.5
C4BSPBX4220Z_M_	2.2	1200	630	598	1315	3.3	45	30	30	45	57.5
C4BSPBX4250Z_M_	2.5	1200	630	598	1494	2.9	45	32	30	45	57.5
C4BSPBX4300Z_N_	3	1200	630	598	1793	2.5	48	37	35	50	57.5
C4BSPBX4330Z_N_	3.3	1200	630	598	1972	2.3	48	39	35	50	57.5
C4BSWBX3100ZEE_	0.1	2000	700	2241	224	12.9	36	12	18	33	32
C4BSWBX3100Z_F_	0.1	2000	700	1379	138	23.3	41	10	20	40	41.5
C4BSWBX3150ZEE_	0.15	2000	700	2241	336	8.6	36	15	18	33	32
C4BSWBX3150Z_F_	0.15	2000	700	1379	207	15.6	41	12	20	40	41.5
C4BSWBX3220Z_F_	0.22	2000	700	1379	303	10.7	41	14	20	40	41.5
C4BSWBX3330Z_F_	0.33	2000	700	1379	455	7.2	41	17	20	40	41.5
C4BSWBX3470Z_F_	0.47	2000	700	1379	648	5.1	41	20	20	40	41.5
C4BSWBX3680Z_H_	0.68	2000	700	1379	938	3.6	43	26	24	44	41.5
C4BSWBX3820Z_L_	0.82	2000	700	1379	1131	3.0	43	30	30	45	42
C4BSWBX4100Z_M_	1	2000	700	854	854	5.1	45	24	30	45	57.5
C4BSWBX4120Z_M_	1.2	2000	700	854	1024	4.3	45	26	30	45	57.5
C4BSWBX4150Z_N_	1.5	2000	700	854	1280	3.5	48	31	35	50	57.5
C4BSYBX2470ZEE_	0.047	3000	750	3361	158	21.9	36	10	18	33	32
C4BSYBX2470Z_F_	0.047	3000	750	2068	97	36.6	41	8	20	40	41.5
C4BSYBX2680ZEE_	0.068	3000	750	3361	229	15.2	36	12	18	33	32
C4BSYBX2680Z_F_	0.068	3000	750	2068	141	25.4	41	10	20	40	41.5
C4BSYBX3100Z_F_	0.1	3000	750	2068	207	17.3	41	12	20	40	41.5
C4BSYBX3220Z_F_	0.22	3000	750	2068	455	8.0	41	17	20	40	41.5
C4BSYBX3330Z_L_	0.33	3000	750	2068	683	5.4	43	24	30	45	42
C4BSYBX3470Z_M_	0.47	3000	750	1280	602	7.5	45	20	30	45	57.5
C4BSYBX3680Z_N_	0.68	3000	750	1280	871	5.3	48	23	35	50	57.5
C4BSYBX3820Z_N_	0.82	3000	750	1280	1050	4.4	48	28	35	50	57.5

PEAK VOLTAGE TABLE

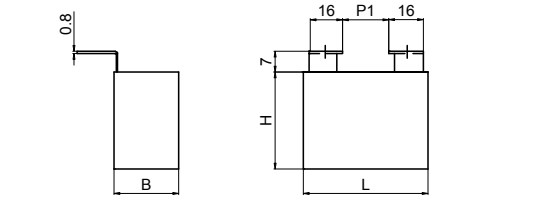
Un	250 V	400 V	600 V	700 V	850 V
$\hat{U}_{MAX}$	400 V	600 V	800 V	1000 V	1200V

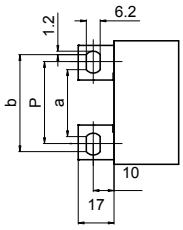
GENERAL CHARACTERISTICS

Code	C	Un	U_{RMS}	dv/dt	I_{PKR}	ESR max @ 100 kHz	ESL	I_{RMS} 100 kHz @ 70°C	DIMENSIONS mm		
	µF	Vdc	Vac	V/µs	A	mΩ	nH	A	B	H	L
C4BTDBX4470ZEE_	4.7	250	160	59	279	2.6	36	22	18	33	32
C4BTDBX4680ZEE_	6.8	250	160	59	403	1.9	36	26	18	33	32
C4BTDBX5100Z_F_	10	250	160	40	402	2.6	41	27	20	40	41.5
C4BTDBX5150Z_F_	15	250	160	40	602	1.8	41	32	20	40	41.5
C4BTDBX5200Z_J_	20	250	160	40	803	1.4	36	39	28	37	42.5
C4BTDBX5250Z_H_	25	250	160	40	1004	1.2	43	43	24	44	42
C4BTDBX5300Z_L_	30	250	160	40	1205	1.0	43	50	30	45	42
C4BTDBX5400Z_M_	40	250	160	27	1082	1.5	45	46	30	45	57.5
C4BTDBX5500Z_N_	50	250	160	27	1353	1.2	48	54	35	50	57.5
C4BTDBX5600Z_N_	60	250	160	27	1624	1.1	48	58	35	50	57.5
C4BTFBX4330ZEE_	3.3	400	250	74	245	3.0	36	21	18	33	32
C4BTFBX4400ZEE_	4	400	250	74	296	2.5	36	23	18	33	32
C4BTFBX4400Z_F_	4	400	250	50	201	4.9	41	19	20	40	41.5
C4BTFBX4500ZEE_	5	400	250	74	370	2.0	36	25	18	33	32
C4BTFBX4500Z_F_	5	400	250	50	251	4.0	41	22	20	40	41.5
C4BTFBX4680Z_F_	6.8	400	250	50	341	3.0	41	25	20	40	41.5
C4BTFBX5100Z_F_	10	400	250	50	502	2.1	41	30	20	40	41.5
C4BTFBX5125Z_J_	12.5	400	250	50	627	1.7	36	35	28	37	42.5
C4BTFBX5150Z_J_	15	400	250	50	753	1.5	36	38	28	37	42.5
C4BTFBX5200Z_L_	20	400	250	50	1004	1.2	43	46	30	45	42
C4BTFBX5250Z_M_	25	400	250	34	846	1.8	45	41	30	45	57.5
C4BTFBX5300Z_M_	30	400	250	34	1015	1.6	45	45	30	45	57.5
C4BTFBX5350Z_N_	35	400	250	34	1184	1.4	48	52	35	50	57.5
C4BTFBX5400Z_N_	40	400	250	34	1353	1.2	48	54	35	50	57.5
C4BTHBX4250ZEE_	2.5	600	330	104	259	2.9	36	21	18	33	32
C4BTHBX4250Z_F_	2.5	600	330	70	176	5.7	41	18	20	40	41.5
C4BTHBX4300Z_F_	3	600	330	70	211	4.8	41	20	20	40	41.5
C4BTHBX4400Z_F_	4	600	330	70	281	3.6	41	23	20	40	41.5
C4BTHBX4500Z_F_	5	600	330	70	351	2.9	41	25	20	40	41.5
C4BTHBX4680Z_J_	6.8	600	330	70	478	2.2	41	31	28	37	42.5
C4BTHBX4800Z_H_	8	600	330	70	562	1.9	43	34	24	44	42
C4BTHBX5100Z_L_	10	600	330	70	703	1.6	43	40	30	45	42
C4BTHBX5125Z_M_	12.5	600	330	47	592	2.5	45	35	30	45	57.5
C4BTHBX5150Z_M_	15	600	330	47	710	2.1	45	38	30	45	57.5
C4BTHBX5200Z_N_	20	600	330	47	947	1.7	48	47	35	50	57.5
C4BTJBX4150ZEE_	1.5	700	400	119	178	4.2	36	18	18	33	32
C4BTJBX4150Z_F_	1.5	700	400	80	120	8.2	41	15	20	40	41.5
C4BTJBX4200ZEE_	2	700	400	119	237	3.2	36	20	18	33	32
C4BTJBX4200Z_F_	2	700	400	80	161	6.2	41	17	20	40	41.5
C4BTJBX4220Z_F_	2.2	700	400	80	177	5.7	41	18	20	40	41.5
C4BTJBX4300Z_F_	3	700	400	80	241	4.2	41	21	20	40	41.5
C4BTJBX4400Z_F_	4	700	400	80	321	3.2	41	24	20	40	41.5
C4BTJBX4500Z_J_	5	700	400	80	402	2.6	36	29	28	37	42
C4BTJBX4800Z_L_	8	700	400	80	642	1.7	43	38	30	45	42
C4BTJBX5100Z_M_	10	700	400	54	541	2.7	45	34	30	45	57.5
C4BTJBX5150Z_N_	15	700	400	54	812	1.9	48	44	35	50	57.5
C4BTMBX4100ZEE_	1	850	450	148	148	5.1	36	16	18	33	32
C4BTMBX4100Z_F_	1	850	450	100	100	9.9	41	14	20	40	41.5
C4BTMBX4150Z_F_	1.5	850	450	100	151	6.7	41	17	20	40	41.5
C4BTMBX4200Z_F_	2	850	450	100	201	5.1	41	19	20	40	41.5
C4BTMBX4300Z_F_	3	850	450	100	301	3.4	41	23	20	40	41.5
C4BTMBX4400Z_H_	4	850	450	100	402	2.6	43	29	24	44	42
C4BTMBX4500Z_L_	5	850	450	100	502	2.2	43	34	30	45	42
C4BTMBX4800Z_N_	8	850	450	68	541	2.8	48	37	35	50	57.5
C4BTMBX5100Z_N_	10	850	450	68	677	2.3	48	40	35	50	57.5

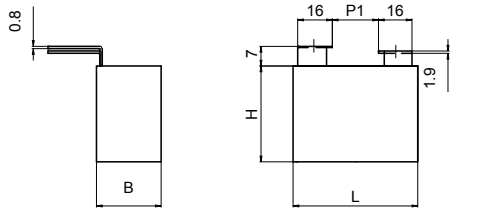


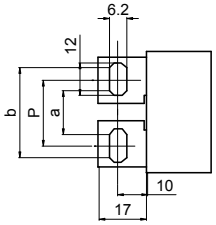
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A	41.5	25.5	21.5	29.5	10.5
A	42	25.5	21.5	29.5	10.5
A	42.5	25.5	21.5	29.5	10.5
A	57.5	41	37	45	25



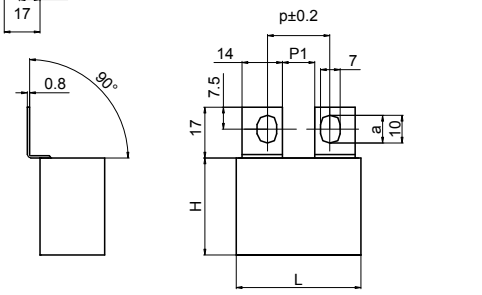


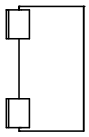
Style	L	P	a	b	P1
B	41.5	22	16	28	6
B	42	22	16	28	6
B	42.5	22	16	28	6
B	57.5	37	31	43	21



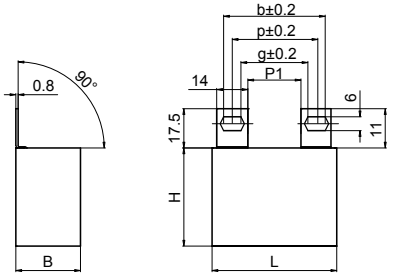


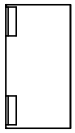
Style	L	P	a	b	P1
F	41.5	22	16	28	6
F	42	22	16	28	6
F	42.5	22	16	28	6
F	57.5	37	31	43	21



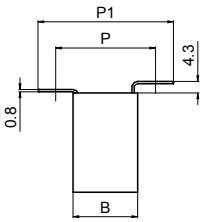


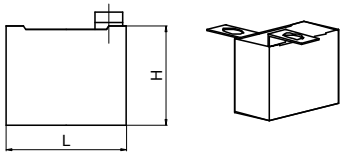
Style	L	P	a	b	P1
G	41.5	22	4	/	10.5
G	42	22	4	/	10.5
G	42.5	22	4	/	10.5
G	57.5	37	4	/	25

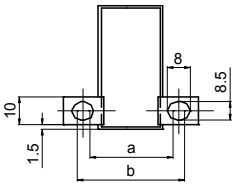




Style	L	P	a	b	P1
H	41.5	25.5	21.5	29.5	10.5
H	42	25.5	21.5	29.5	10.5
H	42.5	25.5	21.5	29.5	10.5
H	57.5	41	37	45	25







Style	B	P	P1	a	b
E	18	31	44	29	33
E	20	33	46	31	35
E	22	35	48	33	37
E	24	37	50	35	39
E	28	41	54	39	43
E	30	43	56	41	45

SINGLE PACKAGE UNIT

Box dimensions	N° of pieces	Weight kgr	Box dimensions	N° of pieces	Weight kgr
20x40x41.5	54	3.0	30x45x42	36	3.4
28x37x42.5	36	2.7	30x45x57.5	27	3.2
24x44x41.5	42	3.2	35x50x57.5	23	3.5