



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



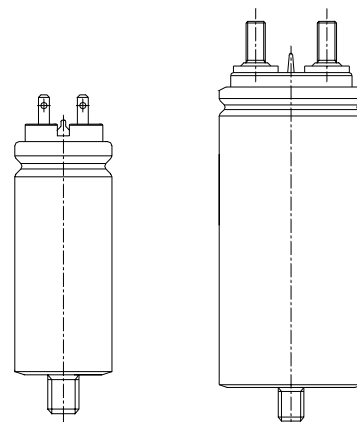
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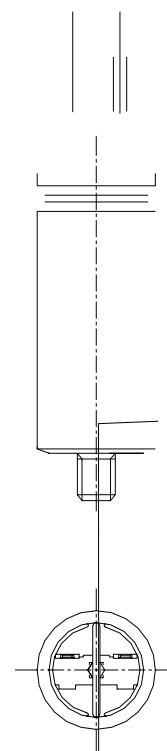


## TECHNICAL DATA

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 ( 15 <sup>th</sup> digit )	J = ± 5% ; K = ± 10%
Peak non-repetitive max current	$I_{PKR} \times 1.5$
Test voltage terminal to case $U_{TT}$	$1.5 U_{RMS}$ for 60 seconds
Test voltage terminal to case $U_{TC}$	$3kV_{DC}$ 50Hz for 60 seconds
Rated insulation voltage $U_i$	700 V – 50 HZ – Insulation group B ( VDE 0110 part 1 )
Dissipation factor ( $tg\delta$ )	$\leq 5 \times 10^{-4}$ at 1 kHz and 20 °C
Permissible relative humidity	Annual average $\leq 95\%$ on 30 days / year, continuously 100% on other days occasionally 100%. Dewing not admissible
IEC climatic category	40 / 85 / 21
Degree of protection	IP00
Capacitance deviation in the operating temperature range of –40 to +85 °C	$\pm 1.5\%$ 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 $U_n$
Case components	Aluminium case plus plastic insulating deck Zame retardant execution ( UL class 94 V1 ) .
Terminals	Tinned brass fastons or screws ( See Egres on top )
Installation	Whatever Position
Life Expectancy	$\geq 30.000$ hours at $U_{RMS}$ ; $\geq 100.000$ hours at $U_n$
Failure quota	300 / $10^9$ components hour

## PEAK VOLTAGE TABLE

Un Vdc	U <sub>PK</sub> Vdc	U <sub>RMS</sub> Vac
1200	1600	500
2000	2400	630



## GENERAL CHARACTERISTICS

Codes	C μF	Un Vdc	Tgδ x 10 <sup>4</sup>		ESR Typ. mΩ	dv/dt V/μs	I <sub>RMS</sub> A	I <sub>PKR</sub> A	Case		Approx Weight g
			Max	Typ.					D	H	
C44BPF13100ZB0J	0.1	1200	5	2	25	500	4	50	25	60	35
C44BPF13150ZB0J	0.15	1200	5	2	24	500	4	75	25	60	35
C44BPF13220ZB0J	0.22	1200	5	2	23	500	5	120	25	60	35
C44BPF13330ZB0J	0.33	1200	5	2	16	500	6	165	25	60	35
C44BPF13470ZB0J	0.47	1200	5	2	10	500	6	235	25	60	35
C44BPF13680ZB0J	0.68	1200	5	2	9	500	6	340	35	60	70
C44BPF14100ZB0J	1	1200	5	2	4	500	6	500	35	60	70
C44BPF14150ZA0J	1.5	1200	5	2	3	500	6	750	45	60	100
C44BWF12470ZA0J	0.047	2000	5	2	30	750	4	35	25	60	35
C44BWF13100ZA0J	0.1	2000	5	2	27	750	5	75	25	60	35
C44BWF13150ZA0J	0.15	2000	5	2	26	750	6	113	25	60	35
C44BWF13220ZA0J	0.22	2000	5	2	25	750	6	165	35	60	70
C44BWF13330ZA0J	0.33	2000	5	2	20	750	6	250	35	60	70
C44BWF13470ZA0J	0.47	2000	5	2	15	750	6	350	40	60	85
C44BWF13680ZA0J	0.68	2000	5	2	10	750	6	510	45	60	100

## MECHANICAL CHARACTERISTICS

Case	Brass screw terminals			Bolt		
D	Driving Torque Nm	Creepage Distance	Clearance In air	M	L	Driving Torque Nm
45	4	14	10	M 8	10	6
50	4	14	10	M 8	10	6
55	4	16	10	M 12	12.5	10
60	4	18	10	M 12	12.5	10
65	4	20	10	M 12	12.5	10
70	4	22	10	M 12	12.5	10

## PEAK VOLTAGE TABLE

Un Vdc	U <sub>PK</sub> Vdc	U <sub>RMS</sub> Vac
2400	4000	1000

