

Suppression Capacitors

Class X1 AC 440 V

Class Y2 AC 250 V

Design:

Disc capacitor with epoxy coating

Rated Voltage U_R :

X1 $\Rightarrow$ AC 440 V; 50 Hz

Y2 $\Rightarrow$ AC 250 V; 50/60 Hz

Test Voltage U_T :

Component test:

AC 2500 V / 50 Hz, 2 s

with current limitation: max. 50 mA

As repeated voltage test admissible only once at: AC 2000 V / 50 Hz, 2 s

Random Sampling Test:

AC 1500 V / 50 Hz, 60 s

Voltage Proof of Coating:

AC 2000 V / 50 Hz, 60 s

Dissipation Factor $\tan\delta$:

$\leq 25 \times 10^{-3}$

Insulation Resistance R_i :

for $C \leq 0,33 \mu\text{F}$

$\leq 6 \times 10^9 \Omega$

Temperature Characteristic acc. to EN 130 700:

2 F 4 (K 1000)

Category Temperature Range δ_u :

(-25 ... + 125) °C

Climatic Applications Class:

GKF

Climatic Testing Class acc. to EN 60068-1:

25/125/21

Coating:

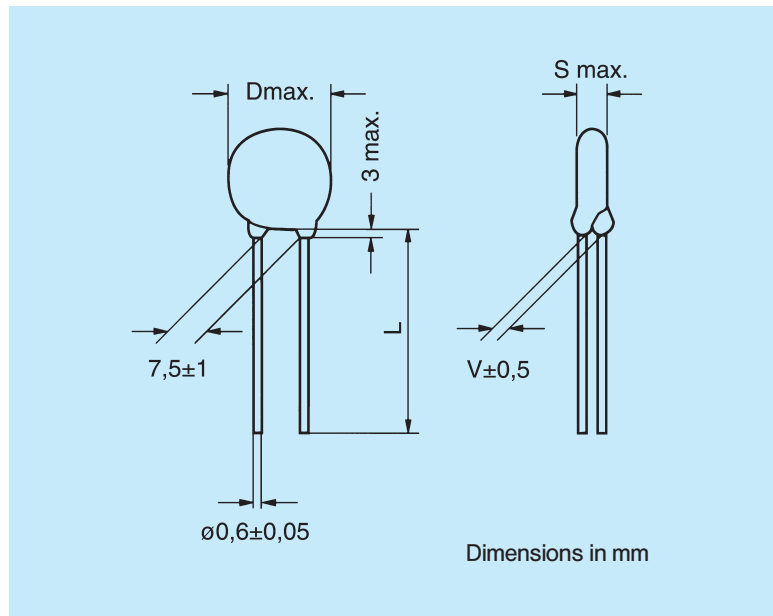
Epoxy, dipped, insulating, flame retarding (UL 94V0)

Taping:

on request

Special Lead Configurations:

on request



Marking:

$D \geq 10 \text{ mm}$



additional on the label:
all approval marks

Marking:

$D \leq 9 \text{ mm}$



additional on the label:
all approval marks

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Rated Voltage: AC 440 V (X1); AC 250 V (Y2)						
Capacitance pF / μ F	D x s (max.) in mm	L (mm)	F ± 1	V $\pm 0,5$	Ordering Code	Resonance frequency L = 5 mm (MHz)
1000 pF	6,5 x 4,5	30-3	5,0	1,4	WYO102MCMBF0K	> 30
1500 pF	8,0 x 4,5				WYO152MCMBF0K	
1800 pF	8,0 x 4,5				WYO182MCMBF0K	
2200 pF	9,0 x 4,5				WYO222MCMBF0K	
2500 pF	9,0 x 4,5				WYO252MCMBF0K	
3300 pF	10,0 x 4,5		7,5	1,6	WYO332MCMCF0K	> 15
4700 pF	12,0 x 4,5				WYO472MCMCF0K	
5000 pF	12,0 x 4,5				WYO502MCMCF0K	
6800 pF	17,0 x 4,5				WYO682MCMCF0K	
8200 pF	17,0 x 4,5				WYO822MCMCF0K	
0,01 μ F	21,0 x 4,5				WYO103MCMCF0K	
0,012 μ F	21,0 x 4,5				WYO123MCMCF0K	

C-Tolerance: $\pm 20 \%$

Approvals:

Country	Specification	Approval Reference	Approval Mark
Finland	EN 132 400 (1994) [safety tests] IEC 384-14.2 (1993) incl. Am. 1 (1995) [safety tests]	(X1) FI 362 A2 CB-Test Certificate (Y2) FI 575 A1 CB-Test Certificate	
Finland	EN 132 400 (1994) [safety tests] IEC 384-14.2 (1993) incl. Am. 1 (1995) [safety tests]	(X1) 183699-01 (Y2) 189686-01	
USA	UL 1414	E 183844	
Canada	CSA C22.2 Nr. 1-94	LR64546-10	

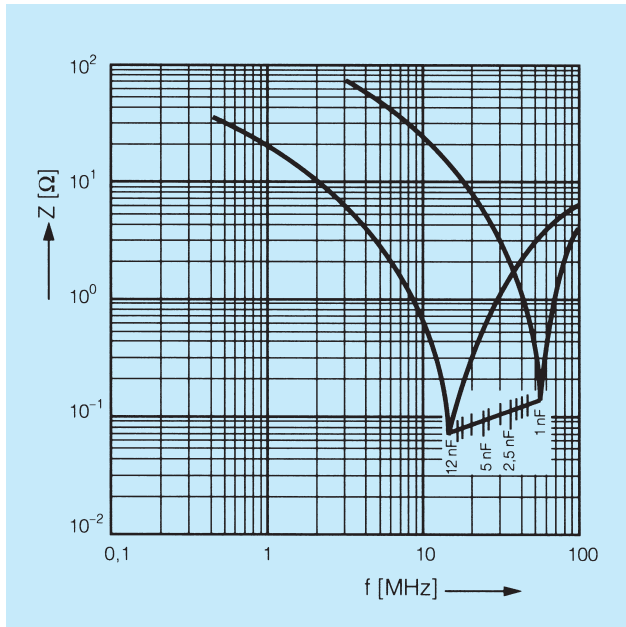
This approval mark together with the CB-Certificate replace all national approval marks of the following countries (they have already signed the CB-Agreement):

Austria	Belgium	Denmark	Finland	Sweden
France	Germany	Ireland	Italy	Switzerland
Netherlands	Israel	Portugal	Spain	Great Britain
Japan	Norway	China	Poland	Czech. Republic
Singapore	Rep. of Korea	Hungary	Iceland	Slovenian

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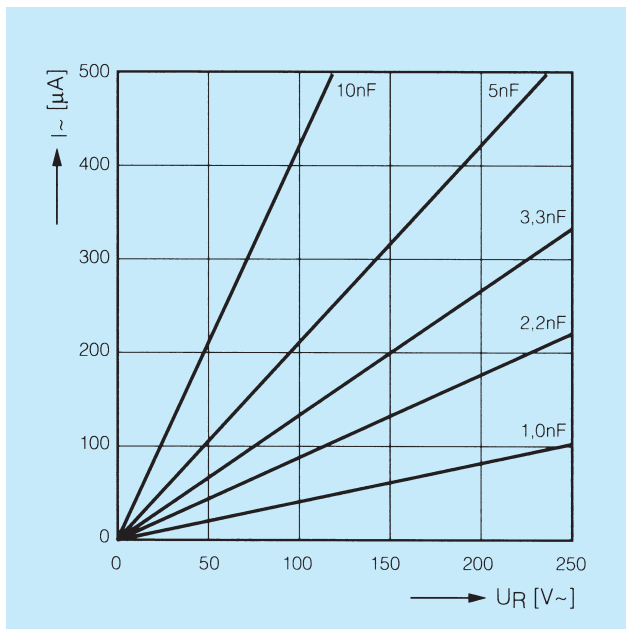
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Impedance (Z) as a function of frequency (f)
at $T_a = 20^\circ\text{C}$ (Average)

Measurement with lead length 6 mm



$I = f(U_R)$ (typ.)

Ordering Example:

WYO	102	"M"	CM	BF0	K
Series	C-Value	Tolerance	Rated Voltage	Design	Internal code