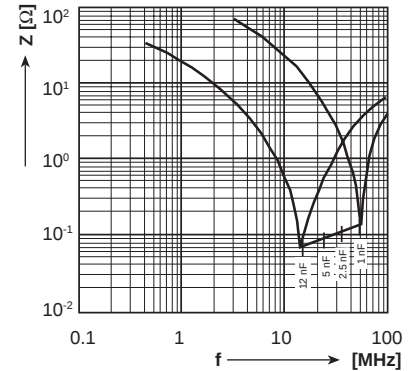
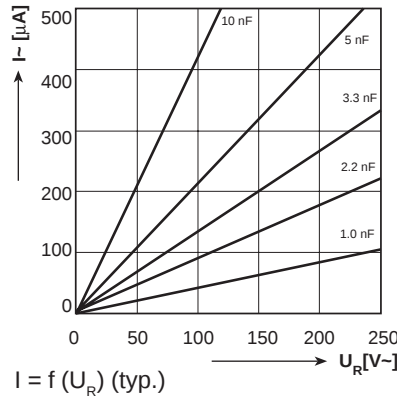
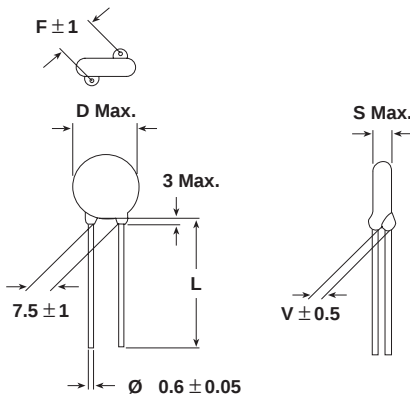


Ceramic Disc Capacitors, Suppression Capacitors

Class X1 AC 440V/Class Y2 AC 250V

Dimensions in mm



Impedance (Z) as a function of frequency (f) at $T_a = 20^\circ\text{C}$ (average).
Measurement with lead length 6mm.

DESIGN:

Disc capacitors with epoxy coating
acc. to EN 132 400/IEC 60384-14/2; 1993

RATED VOLTAGE U_R :

X1 $\Rightarrow$ AC 440V, 50Hz
Y2 $\Rightarrow$ AC 250V, 50Hz
(CSA/UL: AC 250V, 60Hz)

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test:
AC 2200V, 50Hz/2 sec.
(Current limitation: max 50mA)
As repeated test admissible only once
with AC 2000V, 50Hz/2sec.
Random sampling test:
AC 1500V; 50Hz/60 sec.

DIELECTRIC STRENGTH OF BODY INSULATION

AC 2000V, 50Hz/60 sec.

DISSIPATION FACTOR $\tan \delta$:

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

INSULATION RESISTANCE R_{is} :

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

TEMPERATURE CHARACTERISTIC ACC. TO EN 130 700:

2 E 3 (K 4000)

CLIMATIC CATEGORY ACC. TO EN 60068-1:

40/125/21

COATING:

Epoxy dipped, insulating, flame retarding acc. to UL 94V-0

Important:

Minimum thickness of 0.4mm for the epoxy coating is confirmed by the VDE-approval board in Germany

TAPE AND SPECIAL LEAD CONFIGURATIONS:

On request

MARKING:

$D \leq 9\text{mm}$



Additional on the label:
all approval marks

$D \geq 10\text{mm}$



Additional on the label:
all approval marks



CAPACITANCE (mm)	D x s Max. (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5*	ORDERING CODE DIELECTRIC	CERAMIC
1000 pF	6.5 x 4.5	5	0.6	1.4	WYO 102.CM...K	K 4000
1500 pF	8.0 x 4.5				WYO 152.CM...K	K 4000
1800 pF	8.0 x 4.5				WYO 182.CM...K	K 4000
2200 pF	9.0 x 4.5				WYO 222.CM...K	K 4000
2500 pF	9.0 x 4.5				WYO 252.CM...K	K 4000
3300 pF	10.0 x 4.5	7.5		1.6	WYO 332.CM...K	K 4000
4700 pF	12.0 x 4.5				WYO 472.CM...K	K 4000
5000 pF	12.0 x 4.5				WYO 502.CM...K	K 4000
6800 pF	17.0 x 4.5				WYO 682.CM...K	K4000
8200 pF	17.0 x 4.5				WYO 822.CM...K	K 4000
0.01 μF	21.0 x 4.5			WYO 103.CM...K	K 4000	
0.012 μF	21.0 x 4.5			WYO 123.CM...K	K 4000	

*Standard lead configuration, other lead spacing and diameter available on request.

Capacitance tolerances: ± 20%

Ordering Code:	7th digit:	Capacitance tolerance:	± 20% = M
	10th/11th/12th digit:	Lead configuration (See page 106/107 - Document Number 22207)	

APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
USA (for AC 250V)	UL1414-(Line-by-pass)	1000pF-12nF	E 183 844	
Canada (for AC 250V)	C 22.2 No. 1 M-1994 - (Across-the-line) C 22.2 No. 1 M-1994 - (Line-to-ground) C 22.2 No. 1 M-1994 - (Antenna isolation)	1000pF - 12nF 1000pF - 12nF 1000pF - 12nF	LR 64546 - 10 LR 64546 - 10 LR 64546 - 10	
Germany* CB-Certificate	IEC 60384-14/2 ⇒ X1 AC760V IEC 60384-14/2 ⇒ Y1 AC500V	33pFX1 - 4700pFX1 33pFY1 - 4700pFY1	DE 1 - 8208 DE 1 - 8208	
Germany* VDE	IEC 60384-14/2 ⇒ X1 AC760V IEC 60384-14/2 ⇒ Y1 AC500V	33pFX1 - 4700pFX1 33pFY1 - 4700pFY1	116 967 116 967	

*This approval mark together with the CB-Certificate replaces all national approval marks shown in table 1 on page 106
Document Number 22207

SOLDERING RECOMMENDATIONS: (See page 106 - Document Number 22207)

ORDERING INFORMATION: (See page 106 - Document Number 22207)

WYO SERIES	103 CAP. VALUE	M TOLERANCE	CM RATED VOLTAGE	CF0 LEAD CONFIGURATION	K INTERNAL CODE
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