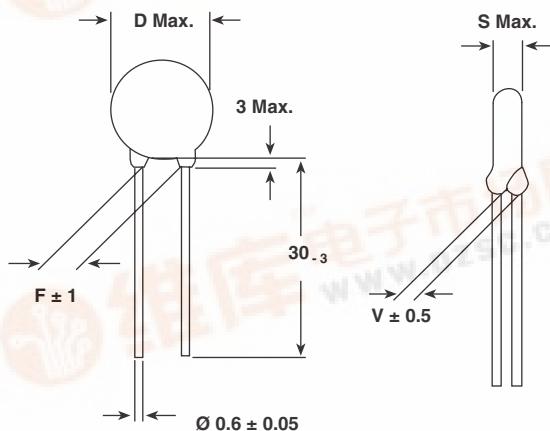
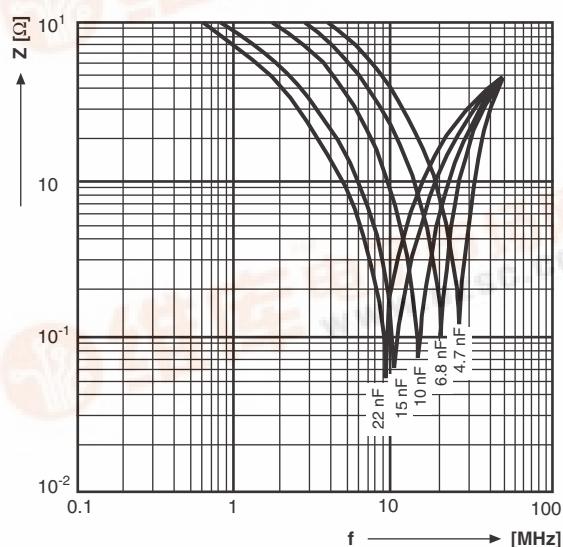


Ceramic Disc Capacitors Class X1, 275 V_{AC}



• Dimensions in mm



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

Measurement with lead length 6 mm

DESIGN:

Disc capacitors with epoxy coating

RATED VOLTAGE U_R :

(X1): 275 V_{AC}, 50 Hz (IEC 60384-14.2)



RoHS
COMPLIANT

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test:

4000 V_{DC}, 2 s

As repeated test admissible only once with

3500 V_{DC}, 2 s

Random sampling test (destructive test):

3500 V_{DC}, 60 s

DIELECTRIC STRENGTH OF BODY INSULATION:

2000 V_{AC}, 50 Hz, 60 s (destructive test)

DISSIPATION FACTOR $\tan \delta$:

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

INSULATION RESISTANCE R_{IS} :

$\geq 6 \cdot 10^9 \Omega$

CATEGORY TEMPERATURE RANGE θ_A :

(- 40 to + 125) °C

CLIMATIC CATEGORY ACC. TO EN60068-1:

40/125/21

COATING:

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

TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

MARKING (EXAMPLE):



All approved marks are also shown on the label.

ORDERING INFORMATION, CERAMIC X1 CAPACITORS W1X

CAPACITANCE (pF)	TOL. (%)	D x s (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	ORDERING CODE
4700 pF	- 20 + 50 %, ± 20 %	11.0 x 3.0	7.5	0.6	1.4	W1X472□CV□□□KR
6800 pF		11.0 x 3.0				W1X682□CV□□□KR
0.010 µF		15.0 x 3.0				W1X103□CV□□□KR
0.015 µF		17.0 x 3.0			1.6	W1X153□CV□□□KR
0.022 µF		20.0 x 3.0				W1X223□CV□□□KR

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

ORDERING CODE

<input type="checkbox"/>	7th digit	Capacitance Tolerance	± 20 % = M
<input type="checkbox"/> □□□	10th to 12th digit	Lead Configuration (see General Information)	
R	14th digit	RoHS Compliant Component	

APPROVALS

IEC 60384 - 14 / 2nd Issue (1993) incl. Am. 1 (1995) - Safety Tests

EN 132 400 (1994) - Safety Tests

That approval together with the CB Test Certificate substitutes the national approval of the following nations:

Belgium	France	Italy	Austria	China	Japan	Spain
Denmark	Greece	Luxembourg	Portugal	Singapore	Poland	United Kingdom
Germany	Ireland	Netherlands	Sweden	Slovenia	Hungaria	Czech Republic
Finland	Iceland	Norway	Switzerland	Korea	Israel	

X1 - Capacitor: CB-Test Certificate: DE-1-11148-A1 4.7 nF ... 0.022 µF 275 Vac

**ORDERING INFORMATION**

W1X	223	M	CV	CRA	K	R
SERIES	CAP. VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT

Disclaimer

All product specifications and data are subject to change without notice.

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