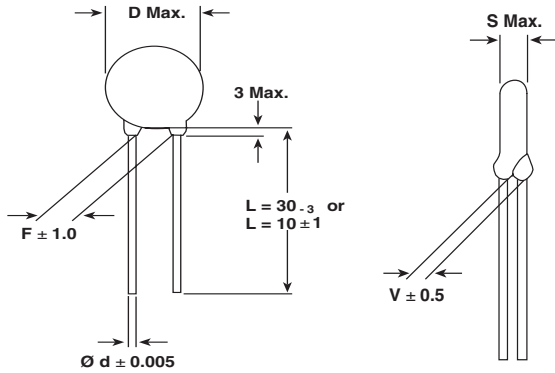


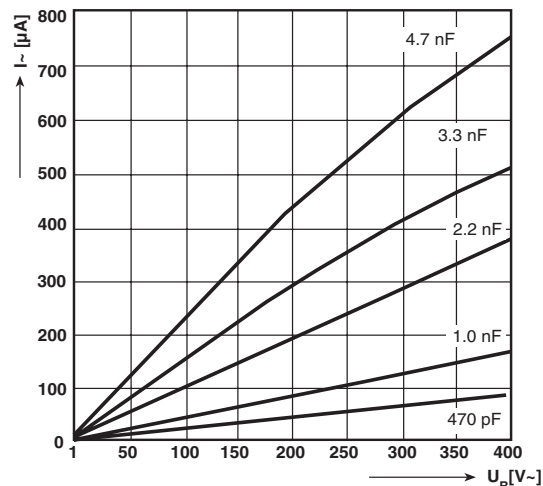
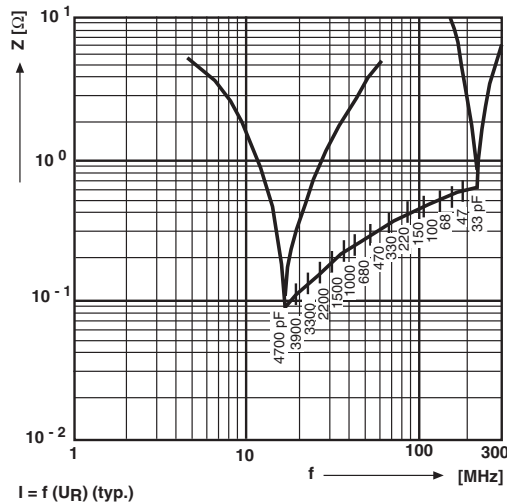
Ceramic AC Capacitors

Class X1, 760 V_{AC}/Class Y1, 500 V_{AC}



• Dimensions in mm

Impedance (Z) as a function of frequency (f) at T_a = 20 °C (average). Measurement with lead length 6 mm.



DESIGN:

Disc capacitors with epoxy coating

RATED VOLTAGE U_R:

(X1): 760 V_{AC}, 50 Hz (IEC 60384-14.2)
 (Y1): 500 V_{AC}, 50 Hz (IEC 60384-14.2)
 250 V_{AC}, 60 Hz (UL1414, CSA C22.2)

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test:

4000 V_{AC}, 50 Hz, 2 s

As repeated test admissible only once with

3600 V_{AC}, 50 Hz, 2 s

Random sampling test (destructive test):

4000 V_{AC}, 50 Hz, 60 s

DIELECTRIC STRENGTH OF BODY INSULATION:

4000 V_{AC}, 50 Hz, 60 s (destructive test)

DISSIPATION FACTOR tan δ:

≤ 25 • 10⁻³

INSULATION RESISTANCE R_{is}:

≥ 10 • 10⁹ Ω

CATEGORY TEMPERATURE RANGE θ_A:

(- 40 to + 125) °C

CLIMATIC CATEGORY ACC. TO EN60068-1:

40/125/21

COATING:

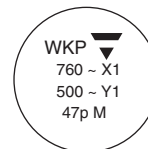
Epoxy dipped, insulating, flame retarding acc. to

UL 94V-0

TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

MARKING:



WKP 33 pF to 680 pF



WKP 1.0 nF to 4.7 nF

All approval marks are also shown on the label.



Ceramic AC Capacitors
Class X1, 760 V_{AC}/Class Y1, 500 V_{AC}

Vishay Draloric

ORDERING INFORMATION, CERAMIC X1 / Y1 CAPACITORS WKP

CAPACITANCE** (pF)	TOL. (%)	D x s (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	ORDERING CODE
CLASS 1 N 750						
33	± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	1.9	WKP330□CP□□□KR
CLASS 2 K 1200						
47	± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	2.3	WKP470□CP□□□KR
68		8.0 x 6.0				WKP680□CP□□□KR
CLASS 2 K 1500						
100	± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	2.3	WKP101□CP□□□KR
CLASS 2 K 2000						
150	± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	2.3	WKP151□CP□□□KR
220		8.0 x 6.0				WKP221□CP□□□KR
330		8.0 x 6.0			2.5	WKP331□CP□□□KR
470		8.0 x 6.0				WKP471□CP□□□KR
680		9.0 x 6.0				WKP681□CP□□□KR
1000		10.0 x 6.0				WKP102□CP□□□KR
1500		12.0 x 6.0	0.8	2.7	WKP152□CP□□□KR	
2200		13.0 x 6.0			WKP222□CP□□□KR	
3300		15.0 x 6.0			WKP332□CP□□□KR	
3900		16.0 x 6.0			WKP392□CP□□□KR	
4700		18.0 x 6.0			WKP472□CP□□□KR	

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

** Capacitance values from 470 pF to 4700 pF: The alternative usage of smaller VKP series is recommended for new application.

ORDERING CODE

□	7th digit	Capacitance Tolerance:	± 10 % = K ± 20 % = M
□□□	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
Germany	Ireland	Netherlands	Sweden	Slovenia	Hungaria	Czech Republic
Finland	Iceland	Norway	Switzerland	Korea	Israel	

Y1 - Capacitor: CB-Test Certificate: DE-1-11002-A1 33 pF ... 4.7 nF 500 Vac
X1 - Capacitor: CB-Test Certificate: DE-1-11002-A1 33 pF ... 4.7 nF 760 Vac
Minimum thickness of insulation: 0.4 mm



Underwriters Laboratories Inc.

UL 1414	Across-the-line, Antenna-coupling and Line-by-pass component.	33 pF ... 4.7 nF	250 Vac	
	Agency Files / Licences	E 183 844 V1 S1		

Canadian Standards Association

CSA C22.2	Across-the-line, antenna-coupling and line-by-pass component	33 pF ... 4.7 nF	250 Vac	
No 1-98	Agency Files / Licences	E 183 844 V1 S1		

ORDERING INFORMATION

WKP	221	M	CP	ED0	K	R
SERIES	CAP. VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT



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