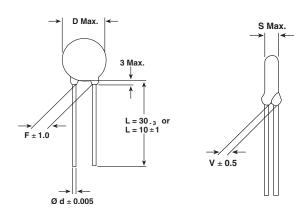
### Vishay Draloric

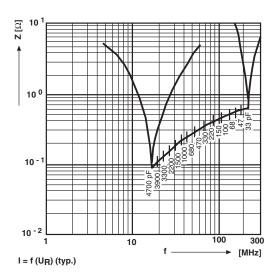


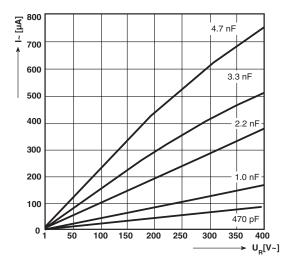
# Ceramic AC Capacitors Class X1, 760 $V_{AC}$ /Class Y1, 500 $V_{AC}$



· 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

# RoHS

#### RATED VOLTAGE UR:

(X1): 760 V<sub>AC</sub>, 50 Hz (IEC 60384-14.2) (Y1): 500 V<sub>AC</sub>, 50 Hz (IEC 60384-14.2) 250 V<sub>AC</sub>, 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<sub>AC</sub>, 50 Hz, 60 s (destructive test)

#### DISSIPATION FACTOR tan $\delta$ :

≤ 25 • 10<sup>-3</sup>

#### **INSULATION RESISTANCE Ris:**

 $\geq$  10 • 10<sup>9</sup>  $\Omega$ 

#### CATEGORY TEMPERATURE RANGE 9<sub>A</sub>:

(- 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.

Document Number: 22206 Revision: 16-Nov-07





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

## Vishay Draloric

CAPACITA (pF)	NCE**	TOL. (%)	D x s (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	ORDERING CODE
CLASS 1	N 750	l l	l				I
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		± 10 /6, ± 20 /6					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		± 10 /6, ± 20 /6					WKP221□CP□□□KR
CLASS 2	K 4000						
330			8.0 x 6.0				WKP331□CP□□□KR
470			0.0 x 0.0		0.6	2.5	WKP471□CP□□□KR
680			9.0 x 6.0				WKP681□CP□□□KR
1000			10.0 x 6.0				WKP102□CP□□□KR
1500		± 10 %, ± 20 %	12.0 x 6.0	12.5			WKP152□CP□□□KR
2200			13.0 x 6.0		0.8	2.7	WKP222□CP□□□KR
3300 3900			15.0 x 6.0		0.8	2.7	WKP332□CP□□□KR
			16.0 x 6.0				WKP392□CP□□□KR
4700			18.0 x 6.0				WKP472□CP□□□KR

<sup>\*</sup> Standard lead configuration, other lead spacing and diameter available on request.

<sup>\*\*</sup> 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								
EN 132 400	(1994) - Safety Te		-					
That approval	together with the CB	Test Certificate substitu	tes the national appro	val of the following n	ations:			
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 X1 - Capacitor: CB-Test Certificate: DE-1-11002-A1 Minimum thickness of insulation: 0.4 mm			33 pF 4.7 nF 33 pF 4.7 nF	500 V <sub>AC</sub> 760 V <sub>AC</sub>	$D^{V_E}$		
Underwriters L	aboratories Inc.							
UL 1414	Across-the-line, Agency Files / L	Antenna-coupling and Lir icences	ne-by-pass component. E 183 844 V1 S1	33 pF 4.7 nF	250 V <sub>AC</sub>	c <b>71</b> 1 us		
Canadian Stan	dards Association							
CSA C22.2	Across-the-line, antenna-coupling and line-by-pass component			33 pF 4.7 nF	250 V <sub>AC</sub>	c <b>SU</b> us		
No 1-98	Agency Files / Licences E 183 84		E 183 844 V1 S1			C TOUS		

ORDERING INFORMATION								
<u>WKP</u>	<u>221</u>	<u>M</u>	<u>CP</u>	ED0	<u>K</u>	<u>R</u>		
SERIES	CAP. VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT		

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Vishay

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