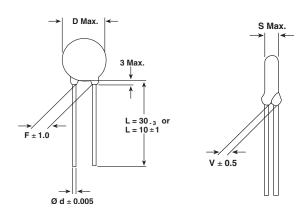
Vishay Draloric

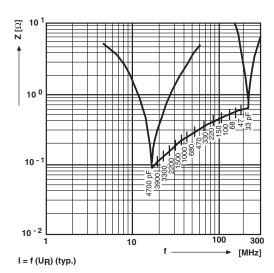


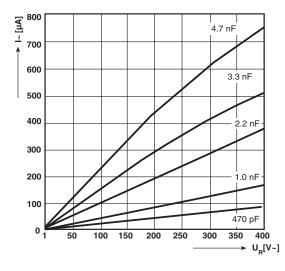
Ceramic AC Capacitors Class X1, 760 V_{AC} /Class Y1, 500 V_{AC}



· 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_{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 Ris:

 \geq 10 • 10⁹ Ω

CATEGORY TEMPERATURE RANGE 9_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.

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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

^{*} 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								
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 _{AC} 760 V _{AC}	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 _{AC}	c 71 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 _{AC}	c SU 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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