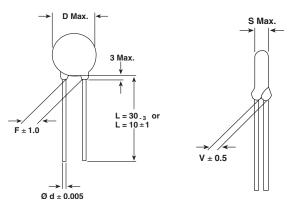
Vishay Draloric

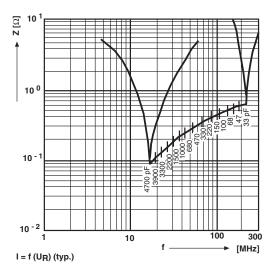


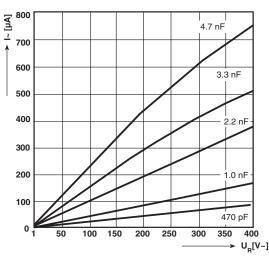
Ceramic AC Capacitors Class X1, 760 V_{AC}/Class Y1, 500 V_{AC}



· Dimensions in mm

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





DESIGN:

Disc capacitors with epoxy coating

RATED VOLTAGE UR:

(X1):	760 V _{AC} , 50 Hz (IEC 60384-14.2)
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(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 :

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

INSULATION RESISTANCE Ris:

 \geq 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.

COMPLIANT

For technical questions, contact slcap@vishay.com

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$\begin{array}{c} \mbox{Ceramic AC Capacitors} \\ \mbox{Class X1, 760 V}_{AC}\mbox{/Class Y1, 500 V}_{AC} \end{array}$

Vishay Draloric ^{/AC}

WKP

CAPACITA (pF)	NCE**	TOL. (%)	Dxs (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	ORDERING CODE		
CLASS 1	N 750	1							
33		± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	1.9			
CLASS 2	K 1200)	•						
47		± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	2.3			
68		± 10 %, ± 20 %		12.5					
CLASS 2	K 1500	K 1500							
100		± 10 %, ± 20 %	8.0 x 6.0	12.5	0.6	2.3			
CLASS 2	K 2000)							
150		± 10 %, ± 20 %	8.0 x 6.0 12.5	12.5	0.6	2.3			
220	± 10 %, ± 20 %	0.0 X 0.0	12.0	0.0	2.0				
CLASS 2	K 4000)							
330			8.0 x 6.0						
470			0.0 × 0.0		0.6	2.5			
680] [9.0 x 6.0						
1000] [10.0 x 6.0						
1500 2200 3300 3900		± 10 %, ± 20 %	12.0 x 6.0	12.5	0.8	2.7			
			13.0 x 6.0						
			15.0 x 6.0						
			16.0 x 6.0						
4700			18.0 x 6.0						

* 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

AFFRUVALS								
	4 / 2 nd Issue (1993) 1994) - Safety Tests	• •) - Safety Tests					
That approval t	ogether with the CB Tes	t Certificate substitu	tes the national appro	oval of the following na	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: Cl X1 - Capacitor: Cl Minimum thicknes		DE-1-11002-A1 DE-1-11002-A1 nm	33 pF 4.7 nF 33 pF 4.7 nF	500 V _{AC} 760 V _{AC}	DE		
Underwriters La	boratories Inc.							
UL 1414	Across-the-line, Ante	enna-coupling and Lir	ne-by-pass component	. 33 pF 4.7 nF	250 V _{AC}			
	Agency Files / Licen	ces	E 183 844 V1 S1			C The US		
Canadian Stand	lards Association							
CSA C22.2	Across-the-line, antenna-coupling and line-by-pass component			33 pF 4.7 nF	250 V _{AC}			
No 1-98	Agency Files / Licences E 183 844 V1 S1					C The US		
ORDERIN	G INFORMATIO	N						
WKP	<u>221</u>	M	CP	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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