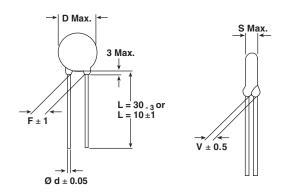
Vishay Draloric

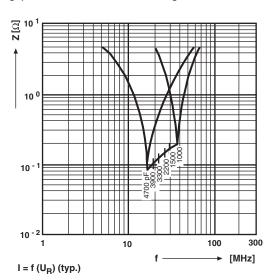


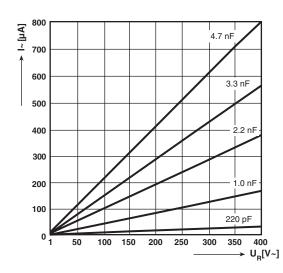
Ceramic AC Capacitors Class X1, 440 V_{AC}/Class Y2, 300 V_{AC}



• Dimensions in mm

Impedance (Z) as a function of frequency (f) at $T_a = 20$ °C (average). Measurement with lead length 50 mm





DESIGN:

Disc capacitors with epoxy coating

Pb) RoHS

RATED VOLTAGE UR:

(X1): 440 V_{AC}, 50 Hz (IEC 60384-14.2) (Y2): 300 V_{AC}, 50 Hz (IEC 60384-14.2) 250 V_{AC}, 60 Hz (UL1414, CSA C22.2)

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test: $2600\ V_{AC}$, $50\ Hz$, $2\ s$ As repeated test admissible only once with $2340\ V_{AC}$, $50\ Hz$, $2\ s$ Random sampling test (destructive test): $2600\ V_{AC}$, $50\ Hz$, $60\ s$

DIELECTRIC STRENGTH OF BODY INSULATION:

2600 V_{AC}, 50 Hz, 60 s (destructive test)

DISSIPATION FACTOR tan δ :

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

INSULATION RESISTANCE Ris:

 ≥ 6 • $10^9~\Omega$

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:





VKO 1.0 nF to 1.5 nF

VKO 2.2 nF to 4.7 nF

All approval marks are also shown on the label.





Ceramic AC Capacitors Class X1, 440 V_{AC} /Class Y2, 300 V_{AC}

Vishay Draloric

ORDERING INFORMATION, CERAMIC X1 / Y2 CAPACITORS VKO						
CAPACITANCE** (pF)	TOL. (%)	D x s (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	ORDERING CODE
1000	± 10 % ± 20 %	7.0 x 4.5		0.6	1.6	VKO102□CQ□□□KR
1500		8.0 x 4.0	7.5			VKO152□CQ□□□KR
2200		10.0 x 4.0				VKO222□CQ□□□KR
3300		12.0 x 4.0				VKO332□CQ□□□KR
3900		13.5 x 4.5				VKO392□CQ□□□KR
4700		13.5 x 4.5				VKO472□CQ□□□KR

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

^{**} When capacitance values less than 1000 pF are required, the usage of WKO series is recommended.

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			

APPROVA	\LS					
	14 / 2 nd Issue (199 (1994) - Safety Te	93) incl. Am. 1 (1995 sts) - Safety Tests			
That approval	together with the CB	Test Certificate substitu	ites the national appr	oval 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	
Y2 - Capacitor: CB-Test Certificate: X1 - Capacitor: CB-Test Certificate: Minimum thickness of insulation: 0.4 mi		DE-1-11439-A1 DE-1-11439-A1 nm	1 nF 4.7 nF 1 nF 4.7 nF	300 Vac 440 Vac	DVE	
Underwriters La	aboratories Inc.					
UL 1414	Line-by-pass cor	mponent.		1 nF 4.7 nF	250 Vac	61 ,
	Agency Files / Li	Agency Files / Licences				c Al us
Canadian Stan	dards Association					
CSA C22.2	Line-by-pass cor	mponent.		1 nF 4.7 nF	250 Vac	
No 1-98	Agency Files / Li	cences	E 183 844 V1 S6			c FL us

ORDERING INFORMATION							
<u>VKO</u>	<u>102</u>	K	CQ	TC0	K	B	
SERIES	CAP. VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT	

Legal Disclaimer Notice



Vishay

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