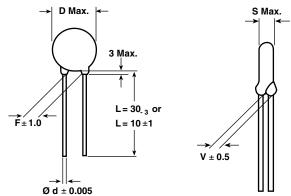


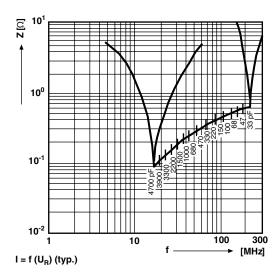
Ceramic AC Capacitors Class X1, 760 V_{AC}/Class Y1, 500 V_{AC}

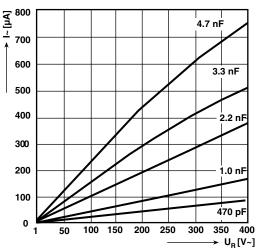


Dimensions in mm

Note

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 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 $\boldsymbol{\delta}$

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

INSULATION RESISTANCE R_{IS}

 \geq 10 x 10 $^9\,\Omega$

CATEGORY TEMPERATURE RANGE $\vartheta_{\textbf{A}}$

(- 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 1.5 nF

WKP 2.2 nF to 4.7 nF

Not

• 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}



ORDERING INFORMATION, CERAMIC X1/Y1 CAPACITORS WKP							
CAPACITANCE (2) (pF)		TOL. (%)	D x s (mm)	F ± 1 ⁽¹⁾ (mm)	d ± 0.05 ⁽¹⁾ (mm)	V ± 0.5 ⁽¹⁾ (mm)	ORDERING CODE
CLASS 1 N	N 750						
33		± 10, ± 20	8.0 x 6.0	12.5	0.6	1.9	WKP330□CP□□□KR
CLASS 2 K	K 1200						
47		± 10 , ± 20	8.0 x 6.0	12.5	0.6	2.3	WKP470□CP□□□KR
68		± 10, ± 20	0.0 X 0.0	12.5	0.0	2.0	WKP680□CP□□□KR
CLASS 2 K	K 1500						
100		± 10, ± 20	8.0 x 6.0	12.5	0.6	2.3	WKP101□CP□□□KR
CLASS 2 K	K 2000						
150		± 10 , ± 20	8.0 x 6.0	12.5	0.6	2.3	WKP151□CP□□□KR
220		± 10, ± 20	0.0 X 0.0	12.5	0.0	2.5	WKP221□CP□□□KR
CLASS 2 K	K 4000						
330			8.0 x 6.0		0.6	2.5	WKP331□CP□□□KR
470							WKP471□CP□□□KR
680	680		9.0 x 6.0				WKP681□CP□□□KR
1000			10.0 x 6.0	12.5			WKP102□CP□□□KR
1500		± 10 , ± 20	12.0 x 6.0				WKP152□CP□□□KR
2200	2200 3300 3900 4700		13.0 x 6.0		0.8	2.7	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

Notes

⁽¹⁾ Standard lead configuration, other lead spacing and diameter available on request.
(2) Capacitance values from 470 pF to 4700 pF: The alternative usage of smaller VKP series is recommended for new application.

ORDERING CODE					
	7 th digit	Capacitance Tolerance:	± 10 % = K ± 20 % = M		
	10 th to 12 th digit	Lead Configuration (see General Information)			
R	14 th digit	RoHS Compliant Component			

APPROVA	LS					
IEC 60384 - EN 132 400 (14 / 2 nd Issue (19 (1994) - Safety Te	93) incl. Am. 1 (1995 ests) - Safety Tests			
THAT APPRO	VAL TOGETHER W	ITH THE CB TEST CEF	RTIFICATE SUBSTITU	TES THE NATION	AL APPROVAL C	F THE FOLLOWING
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	
	X1 - Capacitor	r: CB-Test Certificate: r: CB-Test Certificate: ness of insulation: 0.4 m	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}	DVE
UNDERWRITE	ERS LABORATORII	ES INC.				
UL 1414	Across-the-line, Antenna-coupling and Line-by-pass of Agency Files / Licences E 183 8		ne-by-pass component. E 183 844 V1 S1	33 pF 4.7 nF	250 V _{AC}	c 71 1 us
CANADIAN S	TANDARDS ASSO	CIATION				
CSA C22.2	Across-the-line, antenna-coupling and line-by-pass component			33 pF 4.7 nF	250 V _{AC}	c 711 .us
NO 1-98	Agency Files / Licences E 183 844 V1 S1				C TY US	

ORDERING INFORMATION							
WKP	221	М	СР	ED0	K	R	
SERIES	CAP. VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	ROHS COMPLIANT	

www.vishay.com

For technical questions, contact: slcap@vishay.com

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Vishay

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001:
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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