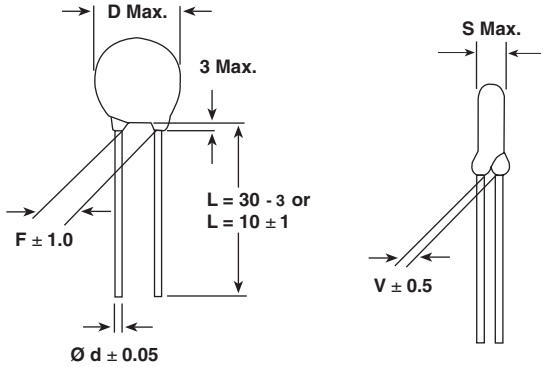
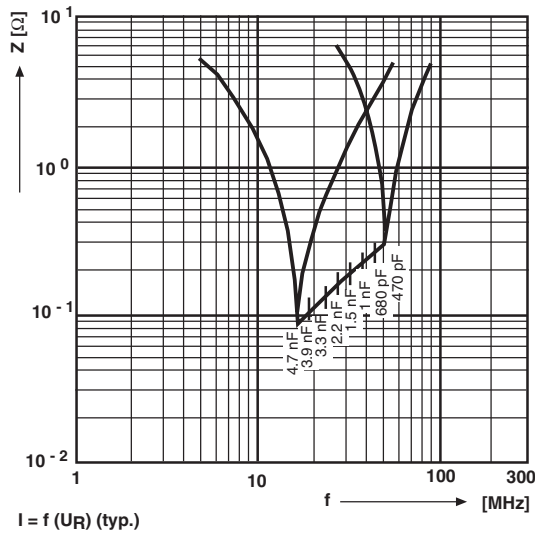


Ceramic AC Capacitors Class X1, 760 V_{AC}/Class Y1, 500 V_{AC}

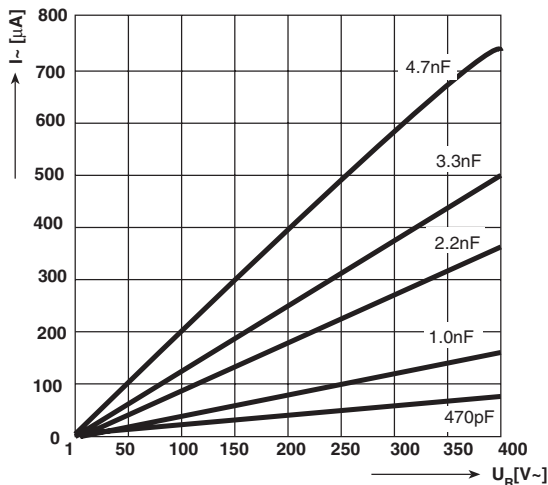


• Dimensions in mm

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



I = f (U_R) (typ.)



DESIGN:

Disc capacitors with epoxy coating



**RoHS
COMPLIANT**

RATED VOLTAGE U_R:

- (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 R_{is}:

≥ 10 • 10⁹ Ω

CATEGORY TEMPERATURE RANGE θ_A:

(- 40 to + 125) °C

CLIMATIC CATEGORY ACC. TO EN60068-1:

40/125/21

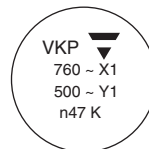
COATING:

Epoxy dipped, insulating, flame retarding acc. to UL 94V-0

TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

MARKING:



VKP 470 pF to 1.5 nF

VKP 2.2 nF to 4.7 nF

All approval marks are also shown on the label.



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

Vishay Draloric

| ORDERING INFORMATION, CERAMIC X1 / Y1 CAPACITORS VKP | | | | | | | |
|---|-------------|---------------|----------------|-------------------|------------------|----------------|----------------|
| CAPACITANCE** (pF) | TOL. (%) | D x s (mm) | F ± 1* (mm) | d ± 0.05* (mm) | V ± 0.5* (mm) | ORDERING CODE | |
| CLASS 2 K4000 | | | | | | | |
| 470 | ± 10 % | 8.0 x 5.0 | 12.5 | 0.6 | 2.1 | VKP471□CQ□□□KR | |
| 680 | | 8.0 x 5.0 | | | | VKP681□CQ□□□KR | |
| 1000 | | 9.0 x 5.0 | | | | VKP102□CQ□□□KR | |
| 1500 | | 10.0 x 5.0 | | | | VKP152□CQ□□□KR | |
| 2200 | | 12.0 x 5.0 | | | | VKP222□CQ□□□KR | |
| 2700 | | ± 20 % | | 13.0 x 5.0 | | 0.8 | VKP272□CQ□□□KR |
| 3300 | | | | 15.0 x 5.0 | | | VKP332□CQ□□□KR |
| 3900 | | | | 15.0 x 5.0 | | | VKP392□CQ□□□KR |
| 4700 | | | | 17.0 x 5.0 | | | VKP472□CQ□□□KR |

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

** When capacitance values less than 470 pF are required, the usage of WKP 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 | |

| APPROVALS | | | | | | |
|---|---|-------------------------|-------------|-------------------|----------|----------------|
| IEC 60384 - 14 / 2nd Issue (1993) incl. Am. 1 (1995) - Safety Tests | | | | | | |
| EN 132 400 (1994) - Safety Tests | | | | | | |
| That approval together with the CB Test Certificate substitutes the national approval 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 | |
| Y1 - Capacitor: CB-Test Certificate: DE-1-11001-A1 | | | | 470 pF ... 4.7 nF | 500 Vac | |
| X1 - Capacitor: CB-Test Certificate: DE-1-11001-A1 | | | | 470 pF ... 4.7 nF | 760 Vac | |
| Minimum thickness of insulation: 0.4 mm | | | | | | |
| Underwriters Laboratories Inc. | | | | | | |
| UL 1414 | Across-the-line, Antenna-coupling and Line-by-pass component. | | | 470 pF ... 4.7 nF | 250 Vac | |
| | | Agency Files / Licences | | E 183 844 V1 S5 | | |
| Canadian Standards Association | | | | | | |
| CSA C22.2 | Across-the-line, Antenna-coupling and Line-by-pass component. | | | 470 pF ... 4.7 nF | 250 Vac | |
| | | Agency Files / Licences | | E 183 844 V1 S5 | | |

| ORDERING INFORMATION | | | | | | |
|-----------------------------|------------|-----------|---------------|--------------------|---------------|----------------|
| VKP | 102 | M | CQ | ED0 | K | R |
| SERIES | CAP. VALUE | TOLERANCE | RATED VOLTAGE | LEAD CONFIGURATION | INTERNAL CODE | RoHS COMPLIANT |



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<http://moschip.ru/get-element>

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