

Ceramic AC Capacitors

Class X1, 440 V_{AC}/Class Y2, 250 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
COMPLIANT

RATED VOLTAGE U_R:

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

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test:
2500 V_{AC}, 50 Hz, 2 s, for parts with pitch ≥ 7.5 mm
As repeated test admissible only once with
2000 V_{AC}, 50 Hz, 2 s
Random sampling test (destructive test):
1500 V_{AC}, 50 Hz, 60 s

DIELECTRIC STRENGTH OF BODY INSULATION:

2000 V_{AC}, 50 Hz, 60 s (destructive test)

DISSIPATION FACTOR tan δ:

≤ 25 • 10⁻³

INSULATION RESISTANCE R_{is}:

≥ 6 • 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 (EXAMPLE):



WYO 1 nF to 2.5 nF



WYO 3.3 nF to 12 nF

All approval marks are also shown on the label.



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Vishay Draloric

| ORDERING INFORMATION, CERAMIC X1 / Y2 CAPACITORS WYO | | | | | | |
|---|----------|------------|-------------|----------------|---------------|----------------|
| CAPACITANCE (pF) | TOL. (%) | D x s (mm) | F ± 1* (mm) | d ± 0.05* (mm) | V ± 0.5* (mm) | ORDERING CODE |
| 1000 | ± 20 % | 6.5 x 4.5 | 5.0 | 0.6 | 1.4 | WYO102□CM□□□KR |
| 1500 | | 8.0 x 4.5 | | | | WYO152□CM□□□KR |
| 1800 | | 8.0 x 4.5 | | | | WYO182□CM□□□KR |
| 2200 | | 9.0 x 4.5 | | | | WYO222□CM□□□KR |
| 2500 | | 9.0 x 4.5 | | | | WYO252□CM□□□KR |
| 3300 | | 10.0 x 4.5 | | | | WYO332□CM□□□KR |
| 4700 | | 12.0 x 4.5 | 7.5 | | 1.6 | WYO472□CM□□□KR |
| 5000 | | 12.0 x 4.5 | | | | WYO502□CM□□□KR |
| 6800 | | 17.0 x 4.5 | | | | WYO682□CM□□□KR |
| 8200 | | 17.0 x 4.5 | | | | WYO822□CM□□□KR |
| 0.010 μF | | 21.0 x 4.5 | | | | WYO103□CM□□□KR |
| 0.012 μF | | 21.0 x 4.5 | | | | WYO123□CM□□□KR |

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

| ORDERING CODE | | | |
|----------------------|--------------------|--|------------|
| □ | 7th digit | Capacitance Tolerance | ± 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 | |
| Y2 - Capacitor: CB-Test Certificate: DE-1-11476-A1 | | | | 1 nF ... 12 nF | 250 Vac | |
| X1 - Capacitor: CB-Test Certificate: DE-1-11148-A1 | | | | 1 nF ... 12 nF | 440 Vac | |
| Minimum thickness of insulation: 0.4 mm | | | | | | |
| Underwriters Laboratories Inc. | | | | | | |
| UL 1414 | Line-by-pass component | | | 1 nF ... 12 nF | 250 Vac | |
| | Agency Files / Licences | | | E 183 844 V1 S2 | | |
| Canadian Standards Association | | | | | | |
| CSA C22.2 No 1-98 | Line-by-pass component | | | 1 nF ... 12 nF | 250 Vac | |
| | Agency Files / Licences | | | E 183 844 V1 S2 | | |

| ORDERING INFORMATION | | | | | | |
|-----------------------------|------------|-----------|---------------|--------------------|---------------|----------------|
| WYO | 103 | M | CM | CF0 | K | R |
| SERIES | CAP. VALUE | TOLERANCE | RATED VOLTAGE | LEAD CONFIGURATION | INTERNAL CODE | RoHS COMPLIANT |



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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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