Ceramic AC Capacitors
Class X1, 440V<sub>AC</sub> / Class Y2, 250V<sub>AC</sub>

**DESIGN:**
Disc capacitors with epoxy coating

**RATED VOLTAGE U<sub>R</sub>:**
(X1): 440V<sub>AC</sub>, 50Hz (IEC 60384-14.2)
(Y2): 250V<sub>AC</sub>, 50Hz (IEC 60384-14.2)
250V<sub>AC</sub>, 60Hz (UL1414, CSA C22.2)

**DIELECTRIC STRENGTH BETWEEN LEADS:**
Component test:
2200V<sub>AC</sub>, 50Hz, 2s
As repeated test admissible only once with
2000V<sub>AC</sub>, 50Hz, 2s
Random sampling test (destructive test):
1500V<sub>AC</sub>, 50Hz, 60s

**DIELECTRIC STRENGTH OF BODY INSULATION:**
2000V<sub>AC</sub>, 50Hz, 60s (destructive test)

**DISSIPATION FACTOR tan δ:**
≤ 25 • 10<sup>-3</sup>

**INSULATION RESISTANCE R<sub>is</sub>:**
≥ 6 • 10<sup>9</sup>Ω

**CATEGORY TEMPERATURE RANGE ϑ<sub>A</sub>:**
(- 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:**
D ≤ 9mm  D ≥ 10mm

All approval marks are also shown on the label.

Impedance (Z) as a function of frequency
(f) at T<sub>A</sub> = 20°C (average). Measurement with lead length 6mm.
## Ceramic AC Capacitors Class X1, 440V\textsubscript{AC} / Class Y2, 250V\textsubscript{AC}

<table>
<thead>
<tr>
<th>CAPACITANCE (pF)</th>
<th>D x s Max. (mm)</th>
<th>F ± 1* (mm)</th>
<th>d ± 0.05* (mm)</th>
<th>V ± 0.5* (mm)</th>
<th>ORDERING CODE</th>
<th>CERAMIC DIELECTRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>6.5 x 4.5</td>
<td></td>
<td>5</td>
<td>1.4</td>
<td>WYO102/L50132</td>
<td>K 4000</td>
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<tr>
<td>1500</td>
<td>8.0 x 4.5</td>
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<td></td>
<td></td>
<td>WYO152/L50132</td>
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<tr>
<td>1800</td>
<td>8.0 x 4.5</td>
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<td></td>
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<td>WYO182/L50132</td>
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<tr>
<td>2200</td>
<td>9.0 x 4.5</td>
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<td></td>
<td></td>
<td>WYO222/L50132</td>
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<tr>
<td>2500</td>
<td>9.0 x 4.5</td>
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<td></td>
<td></td>
<td>WYO252/L50132</td>
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<tr>
<td>3300</td>
<td>10.0 x 4.5</td>
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<td>0.6</td>
<td></td>
<td>WYO332/L50132</td>
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<td>4700</td>
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<td>7.5</td>
<td></td>
<td>WYO472/L50132</td>
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<td>5000</td>
<td>12.0 x 4.5</td>
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<td>WYO502/L50132</td>
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<td>6800</td>
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<td>1.6</td>
<td>WYO682/L50132</td>
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<td>8200</td>
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<td>WYO822/L50132</td>
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<tr>
<td>0.010µF</td>
<td>21.0 x 4.5</td>
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<td></td>
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<td>WYO103/L50132</td>
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</tr>
<tr>
<td>0.012µF</td>
<td>21.0 x 4.5</td>
<td></td>
<td></td>
<td></td>
<td>WYO123/L50132</td>
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</tr>
</tbody>
</table>

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

**Capacitance Tolerances:** ± 20%

### Ordering Code:

- ☐ 7th digit: Capacitance tolerance: ± 20% = M
- ☐☐☐ 10th/11th/12th digit: Lead configuration (See General Information)

### APPROVALS

- **IEC 60384-14 2\textsuperscript{nd} edition (1993)**
  - Table II & A 1 (1995-06)
  - (Y2) CB-Test Certificate
  - (X1) CB-Test Certificate
  - Fi 585 A 1 (250V\textsubscript{AC})
  - Fi 508 A 2 (440V\textsubscript{AC})

- **EN 132400 (1994)**
  - These approvals together with the CB-Test Certificate substitutes the national approval of the nations given in the table below
  - (Y2) CB-Test Certificate
  - (X1) CB-Test Certificate
  - DE 1-8789 (250V\textsubscript{AC})
  - DE 1-8789 (440V\textsubscript{AC})

- **UL 1414**
  - Line-by-pass & Antenna coupling capacitor
  - E 183844 V1 S2 (250V\textsubscript{AC})

- **CSA C22.2 No. 1-M1981**
  - Across-the-line, line-to-ground and antenna isolation capacitor
  - LR 64546-10 (250V\textsubscript{AC})

This approval mark together with the CB-Certificate replace all national approval marks of the following countries (they have already signed the CB-Agreement):

- Austria
- Belgium
- Denmark
- Finland
- Sweden
- France
- Germany
- Ireland
- Italy
- Switzerland
- Netherlands
- Israel
- Portugal
- Spain
- Great Britain
- Japan
- Norway
- China
- Poland
- Czech. Republic
- Singapore
- Rep. of Korea
- Hungary
- Iceland
- Slovenia

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>WYO SERIES</th>
<th>103</th>
<th>M</th>
<th>CM</th>
<th>CF0</th>
<th>K</th>
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<tr>
<td>CAP. VALUE</td>
<td>TOLERANCE</td>
<td>RATED VOLTAGE</td>
<td>LEAD CONFIGURATION</td>
<td>INTERNAL CODE</td>
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