AC-Capacitors, Suppression Capacitors
Class Y2 AC 250V (MKT)

Dimensions in mm

**These capacitors can be delivered on continuous tape and reel see page 14/15 (Document Number 26535)
The ordering code is then: F1710 - . . . -1900 at H = 16mm, F1710 - . . . -1901 at H = 18.5mm.

Preferred values in bold print.

* Further information about packaging quantities with different lead length and/or taped versions
  See page 16 (Document No 27608 Packaging Quantities). Use Box No. as reference

www.vishay.com To contact us: RFI@Vishay.com Document Number 26526 Revision 03-Oct-02
Impedance (Z) as a function of frequency (f) at \( T_a = 20^\circ C \) (average).

Measurement with lead length 6mm.

### APPROVALS

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>SPECIFICATION</th>
<th>ELECTRICAL VALUES</th>
<th>APPROVAL REFERENCE</th>
<th>APPROVAL MARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S.A (for AC 250V)</td>
<td>UL 1283</td>
<td>1000pFY - 0.1(\mu)FY</td>
<td>E 76297</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UL 1414</td>
<td>1000pFY - 0.1(\mu)FY</td>
<td>E 100682</td>
<td></td>
</tr>
<tr>
<td>Canada (for AC 250V)</td>
<td>C 22.2 No. 1-M 1994</td>
<td>1000pFY - 0.1(\mu)FY</td>
<td>LR 64546-7</td>
<td></td>
</tr>
<tr>
<td>CB TEST-CERTIFICATE (for AC 250V)</td>
<td>EN 132 400, 1999 IEC 60384-14, 2nd edition, 1995</td>
<td>1000pFY2 - 0.1(\mu)FY2</td>
<td>DE 1-8223</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td></td>
<td>1000pFY2 - 0.1(\mu)FY2</td>
<td>94613</td>
<td></td>
</tr>
</tbody>
</table>

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
AC-Capacitors, Suppression Capacitors
Class Y2 AC 250V (MKT)

REFERENCE STANDARDS:
EN 132 400
EN 60068-1
IEC 60384-14/2 1993/07
UL 1414
UL 1283
CSA 22.2 Nr. 1-M 1990
CSA 22.2 Nr. 8-M 1986

DIELECTRIC:
Polyester film

ELECTRODES:
Metal evaporated

RATED VOLTAGE:
AC 250V, 50/60Hz

PERMISSIBLE DC VOLTAGE:
DC 1000V

COATING:
Plastic case; epoxy resin sealed, flame retardant,
UL-class 94V-0

CLIMATIC TESTING CLASS ACC. TO
EN 60068-1:
40/100/56

CAPACITANCE TOLERANCE:
Standard ± 20%.
on request: ± 10% and ± 5%

DISSIPATION FACTOR TANδ:
< 1% measured at 1kHz

INSULATION RESISTANCE:
30 GΩ average value
15 GΩ minimum value

TEST VOLTAGE:
Between terminations:

<table>
<thead>
<tr>
<th>Capacitor Type</th>
<th>Test Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1710-AC250V</td>
<td>DC 5000V/ 1 sec.</td>
</tr>
<tr>
<td>F1710-AC305V</td>
<td></td>
</tr>
<tr>
<td>F1712-1000</td>
<td></td>
</tr>
<tr>
<td>F1712-1400</td>
<td></td>
</tr>
</tbody>
</table>

Between interconnected terminations and case (foil method):
AC 2500V for 2 sec. at 25°C.

MAXIMUM PULSE RISE TIME: (dU/dt) in V/µs

<table>
<thead>
<tr>
<th>RATED VOLTAGE</th>
<th>PITCH (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0</td>
<td>15.0</td>
</tr>
<tr>
<td>AC 250V</td>
<td>-</td>
</tr>
<tr>
<td>AC305V</td>
<td>200</td>
</tr>
</tbody>
</table>

LEAD (Pb) CONTENT:
1710:
Lead (Pb) free schooping layers and terminals
1712:
Lead (Pb) free schooping layers
Lead (Pb) free terminals not before 3rd quarter 2003