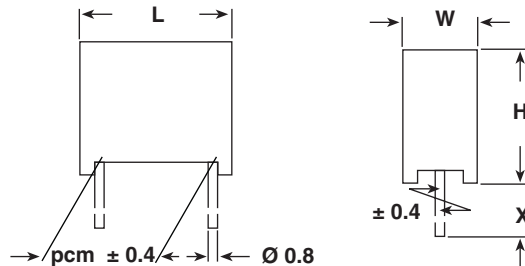
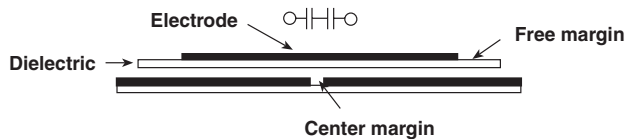


AC-Capacitors, Suppression Capacitors Class X1 AC 400 V (MKT)

Dimensions in mm



| LEAD LENGTH X (mm) | ORDERING CODE** |
|-----------------------|-----------------|
| 4 ⁻¹ | F1722-...-4204 |
| 6 ⁻¹ | F1722-...-4200 |
| 15 ⁻¹ | F1722-...-4215 |
| 30 ⁺⁵ | F1722-...-4230 |


MAXIMUM PULSE RISE TIME: (d_v/d_t) in V/ μ s

| RATED VOLTAGE | PITCH (mm) | | | |
|------------------|------------|------|------|------|
| | 15.0 | 22.5 | 27.5 | 37.5 |
| AC 440 V | 200 | 150 | 100 | 100 |

RATED VOLTAGE:

AC 440 V, 50/60 Hz

PERMISSIBLE DC VOLTAGE:

DC 1000 V

TERMINALS:

Radial tinned copper wire

COATING:

Plastic case, epoxy resin sealed, flame retardant UL 94V-0

CLIMATIC TESTING CLASS ACC. TO EN 60068-1:

40/100/56

CAPACITANCE RANGE:

 E6 series 0.01 μ FX2 - 0.47 μ FX1

E12 values on request

FURTHER TECHNICAL DATA:

See page 59 (Document No 26515)

FEATURES:

Product is completely lead (Pb)-free

Product is RoHS compliant


CAPACITANCE TOLERANCE:

 Standard: $\pm 20\%$

DISSIPATION FACTOR TAN δ :
 $< 1\%$ measured at 1 kHz

**RoHS
COMPLIANT**
INSULATION RESISTANCE: FOR $C \leq 0.33 \mu$ F:

 30 G Ω average value

 15 G Ω minimum value

TIME CONSTANT FOR $C > 0.33 \mu$ F:

10000 sec. average value

5000 sec. minimum value

TEST VOLTAGE:

(Electrode/electrode): DC 2150 V/2 sec.

REFERENCE STANDARDS:

EN 132 400, 1994

EN 60068-1

IEC 60384-14/2, 1993

UL 1283

UL 1414

CSA 22.2 No. 8-M 86

CSA 22.2 No. 1-M 90

DIELECTRIC:

Polyester film

ELECTRODES:

Metal evaporated

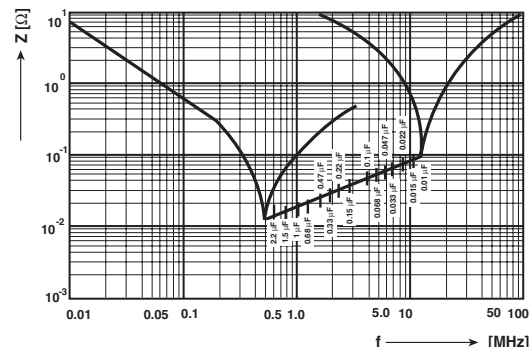
CONSTRUCTION:

Metallized film capacitor

Internal series connection





Between interconnected terminations and case (foil method):

AC 2500 V for 2 sec. at 25 °C.


 Impedance (Z) as a function of frequency (f) at $T_a = 20\text{ °C}$ (average).

Measurement with lead length 6 mm.

APPROVALS

| COUNTRY | SPECIFICATION | ELECTRICAL VALUES | APPROVAL REFERENCE | APPROVAL MARK |
|--|---|--|--------------------|---|
| U.S.A. (for AC 250 V) | UL 1283 UL 1414 | 0.01 - 0.47 μ FX 0.01 - 0.47 μ FX | Pending E100682 |  |
| Canada (for AC 250 V) | C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994 | 0.01 - 0.47 μ FX 0.01 - 0.47 μ FX | Pending Pending |  |
| CB TEST-CERTIFICATE (for AC 440 V) | | 0.01 - 0.47 μ FX1 | DE 1-8790 | |
| Germany | EN 132 400; 1999 IEC 60384-14, 2nd edition; 1995 | 0.01 - 0.47 μ FX1 | 40005095 |   |
| 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 |

| CAPACITANCE | TOL. (%) | PITCH (mm) | BOX NO. | DIMENSIONS W x H x L (+ 0.2/- 0.4 mm) | WEIGHT (g) | QUANTITY PACKAGE (pcs)* | ORDERING CODE** |
|-----------------|-------------|---------------|------------|---|---------------|-------------------------------|-----------------|
| 0.01 μ FX1 | \pm 20 | 15.0 | 05 | 5.3 x 10.3 x 17.8 | 1.4 | 750 | F1722-310-42 .. |
| 0.015 μ FX1 | \pm 20 | 15.0 | 49 | 6.0 x 12.0 x 17.9 | 2.0 | 600 | F1722-315-42 .. |
| 0.022 μ FX1 | \pm 20 | 15.0 | 07 | 7.3 x 13.3 x 17.9 | 2.0 | 600 | F1722-322-42 .. |
| 0.033 μ FX1 | \pm 20 | 15.0 | 08 | 8.3 x 14.3 x 17.8 | 2.7 | 325 | F1722-333-42 .. |
| 0.047 μ FX1 | \pm 20 | 22.5 | 09 | 6.3 x 14.3 x 26.3 | 3.3 | 260 | F1722-347-42 .. |
| 0.047 μ FX1 | \pm 20 | 15.0 | 28 | 8.3 x 17.3 x 17.8 | 3.5 | 300 | F1722-347-426 . |
| 0.068 μ FX1 | \pm 20 | 22.5 | 11 | 7.3 x 15.3 x 26.3 | 4.1 | 235 | F1722-368-42 .. |
| 0.068 μ FX1 | \pm 20 | 15.0 | 35 | 10.3 x 17.3 x 17.8 | 4.3 | 225 | F1722-368-426 . |
| 0.1 μ FX1 | \pm 20 | 22.5 | 12 | 8.3 x 16.3 x 26.3 | 4.6 | 200 | F1722-410-42 .. |
| 0.1 μ FX1 | \pm 20 | 15.0 | 36 | 13.3 x 22.3 x 17.8 | 4.2 | 185 | F1722-410-426 . |
| 0.15 μ FX1 | \pm 20 | 27.5 | 29 | 8.8 x 18.3 x 31.3 | 6.8 | 160 | F1722-415-42 .. |
| 0.15 μ FX1 | \pm 20 | 22.5 | 13 | 10.3 x 18.3 x 26.3 | 6.7 | 170 | F1722-415-426 . |
| 0.22 μ FX1 | \pm 20 | 27.5 | 14 | 11.0 x 20.3 x 31.3 | 9.1 | 125 | F1722-422-42 .. |
| 0.22 μ FX1 | \pm 20 | 22.5 | 27 | 12.3 x 19.8 x 26.3 | 8.7 | 125 | F1722-422-426 . |
| 0.33 μ FX1 | \pm 20 | 27.5 | 15 | 13.0 x 23.3 x 31.3 | 12.9 | 110 | F1722-433-42 .. |
| 0.33 μ FX1 | \pm 20 | 22.5 | 38 | 15.3 x 26.3 x 26.3 | 14.3 | 100 | F1722-433-426 . |
| 0.47 μ FX1 | \pm 20 | 37.5 | 44 | 12.0 x 22.3 x 41.3 | 15.2 | 90 | F1722-447-42 .. |
| 0.47 μ FX1 | \pm 20 | 27.5 | 17 | 16.0 x 29.3 x 31.3 | 20.0 | 85 | F1722-447-426 . |

Inbuilt discharging resistor on request (with larger case dimensions).

* Further information about packaging quantities with different lead length and/or taped versions.

See page 16 (Document No 27608 Packing Quantities). Use Box No. as reference

** These capacitors can be delivered on continuous tape and reel - see page 14/15 (Document No. 27622).

The ordering code is F1722-...-4290 at H = 16.5 mm

F1722-...-4291 at H = 18.5 mm

F1722-...-4961 at H = 16.5 mm

F1722-...-4961 at H = 18.5 mm



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