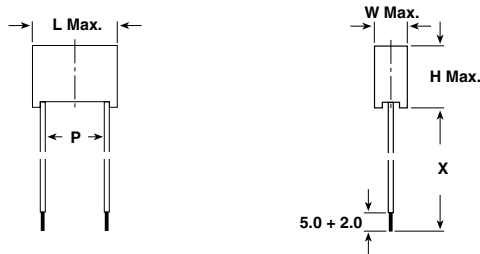


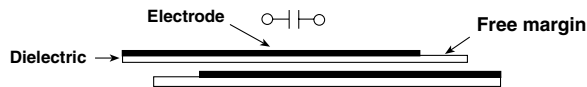
AC-Capacitors, Suppression Capacitors Class X2 AC 275 V (Code pos. 9 = 2) (MKT)

Dimensions in mm



| PCM (mm) | PITCH CODE POS. 10 | TERMINAL Ø d (mm) |
|----------|--------------------|-------------------|
| 15 | F | 0.5 |
| 22.5 | I | 0.5 |
| 27.5 | K | 0.5 |
| 37.5 | P | 0.5 |

| LEAD LENGTH | | ORDERING CODE* | | | | | |
|--------------------|--------------|----------------|-----|---|---|----|-------|
| X (mm) | CODE POS. 12 | 1-4 | 5-7 | 8 | 9 | 10 | 11-13 |
| 30 ⁺⁵ | A | 1779 | ... | . | 2 | . | A 0 0 |
| 40 ⁺⁵ | B | 1779 | ... | . | 2 | . | B 0 0 |
| 50 ⁺⁵ | C | 1779 | ... | . | 2 | . | C 0 0 |
| 60 ⁺⁵ | E | 1779 | ... | . | 2 | . | E 0 0 |
| 80 ⁺⁵ | D | 1779 | ... | . | 2 | . | D 0 0 |
| 100 ⁺¹⁰ | L | 1779 | ... | . | 2 | . | L 0 0 |
| 150 ⁺¹⁰ | R | 1779 | ... | . | 2 | . | R 0 0 |


MAXIMUM PULSE RISE TIME: (d_u/d_t) in V/μs

| RATED VOLTAGE | PITCH (mm) | | |
|---------------|------------|------|------|
| | 15.0 | 22.5 | 27.5 |
| AC 275V | 200 | 150 | 100 |

RATED VOLTAGE:

AC 275 V, 50/60 Hz

PERMISSIBLE DC VOLTAGE:

DC 630 V

TERMINALS:

 Insulated stranded copper wire, type LiY 0.5 mm² (or AWG 20) ends stripped and tinned

COATING:

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

CLIMATIC TESTING CLASS ACC. TO EN 60068-1:

40/100/56

FURTHER TECHNICAL DATA:

See page 21 (Document No 26504)

FEATURES:

Product is completely lead (Pb)-free

Product is RoHS compliant

CAPACITANCE RANGE:

E12 series 0.01 μFX2 - 2.2 μFX2

preferred values acc. to E6

CAPACITANCE TOLERANCE:

Standard: ± 20 %/ ± 10 %

DISSIPATION FACTOR TANδ:

< 0.1 % measured at 1 kHz

INSULATION RESISTANCE: FOR C ≤ 0.33 μF:

30 GΩ average value

15 GΩ minimum value

TIME CONSTANT FOR C > 0.33 μF:

10 000 sec. average value

5000 sec. minimum value

TEST VOLTAGE:

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

REFERENCE STANDARDS:

EN 60068-1, EN 132 400, 1994

IEC 60384-14/2, 1993; UL 1283, UL 1414

CSA 22.2 No. 8-M 86, CSA 22.2 No. 1-M 90

DIELECTRIC:

Polypropylene film

ELECTRODES:

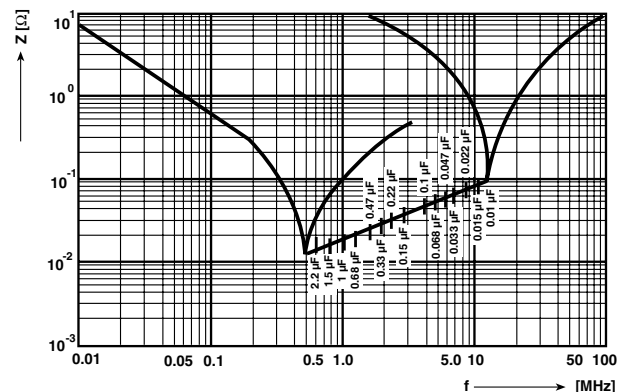
Metal evaporated

CONSTRUCTION:

Metallized film capacitor, single design




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 °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 - 2.2 µFX 0.01 - 1.0 µFX | E 76297 Pending |  |
| Canada (for AC 250 V) | C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994 | 0.01 - 2.2 µFX 0.01 - 1.0 µFX | Pending Pending |  |
| CB TEST-CERTIFICATE (for AC 275 V) | | 0.01 - 2.2 µFX2 | DE 1-8222 | |
| Germany | EN 132 400; 1999-06 IEC 60384-14, 2nd edition; 1995-06 | 0.01 - 4.7 µFX2 | 40000787 |  |

| CAPACITANCE CODE POS. 5-7 | TOL. CODE POS. 8 K = ± 10 % M = ± 20 % (mm) | PITCH | | BOX NO. | DIMENSIONS W x H x L (+ 0.2/- 0.4 mm) | WEIGHT LEAD LENGTH D = 80 mm (g) | QUANTITY PACKAGE LEAD LENGTH D = 80 mm (pcs) | ORDERING CODE* | | | | | |
|------------------------------|---|-------|--------------------|------------|---|--|---|----------------|---------|------|---------|-------|--------------------------|
| | | (mm) | CODE POS. 10 | | | | | TYPE | C-VALUE | TOL. | VOLTAGE | PITCH | LEAD LENGTH DESIGN |
| | | | | | | | | | | | | | |
| 0.047 µFX2 | K/M | 15.0 | F | 05 | 5.3 x 10.3 x 17.8 | 2.6 | 1000 | 1779 | 347 | . | 2 | F | .00 |
| 0.056 µFX2 | K | 15.0 | F | 05 | 5.3 x 10.3 x 17.8 | 2.6 | 1000 | 1779 | 356 | K | 2 | F | .00 |
| 0.068 µFX2 | K/M | 15.0 | F | 05 | 6.0 x 12.0 x 17.9 | 3.2 | 900 | 1779 | 368 | . | 2 | F | .00 |
| 0.082 µFX2 | K | 15.0 | F | 49 | 6.0 x 12.0 x 17.9 | 3.2 | 900 | 1779 | 382 | K | 2 | F | .00 |
| 0.1 µFX2 | M | 10.0 | D | 91 | 6.4 x 12.5 x 12.8 | 3.0 | 900 | 1779 | 410 | K | 2 | D | .00 |
| 0.1 µFX2 | K/M | 15.0 | F | 49 | 6.0 x 12.0 x 17.9 | 3.2 | 900 | 1779 | 410 | M | 2 | F | .00 |
| 0.12 µFX2 | K | 15.0 | F | 07 | 7.3 x 13.3 x 17.8 | 3.6 | 800 | 1779 | 412 | K | 2 | F | .00 |
| 0.15 µFX2 | K/M | 15.0 | F | 07 | 7.3 x 13.3 x 17.8 | 3.6 | 800 | 1779 | 415 | M | 2 | F | .00 |
| 0.15 µFX2 | K/M | 22.5 | I | 09 | 6.3 x 14.3 x 26.3 | 4.5 | 650 | 1779 | 415 | M | 2 | I | .00 |
| 0.18 µFX2 | K | 15.0 | F | 28 | 8.3 x 17.3 x 17.8 | 4.7 | 600 | 1779 | 418 | K | 2 | F | .00 |
| 0.22 µFX2 | K | 15.0 | F | 28 | 8.3 x 17.3 x 17.8 | 4.7 | 600 | 1779 | 422 | K | 2 | F | .00 |
| 0.22 µFX2 | M | 15.0 | F | 28 | 8.3 x 17.3 x 17.8 | 4.7 | 600 | 1779 | 422 | M | 2 | F | .00 |
| 0.22 µFX2 | K/M | 22.5 | I | 11 | 7.3 x 15.3 x 26.3 | 5.3 | 500 | 1779 | 422 | . | 2 | I | .00 |
| 0.22 µFX2 | M | 22.5 | I | 09 | 6.3x 14.3 x 26.3 | 3.2 | 650 | 1779 | 422 | M | 2 | I | .00 |
| 0.27 µFX2 | K | 22.5 | I | 12 | 8.3 x 16.3 x 26.3 | 4.8 | 500 | 1779 | 427 | K | 2 | I | .00 |
| 0.33 µFX2 | K | 15.0 | F | 35 | 10.3 x 17.3 x 17.9 | 7.7 | 750 | 1779 | 433 | K | 2 | F | .00 |
| 0.33 µFX2 | M | 15.0 | F | 46 | 10.0 x 16.0 x 17.9 | 7.4 | 750 | 1779 | 433 | M | 2 | F | .00 |
| 0.33 µFX2 | K/M | 22.5 | I | 12 | 8.3 x 16.3 x 26.3 | 5.8 | 500 | 1779 | 433 | M | 2 | I | .00 |
| 0.39 µFX2 | K | 22.5 | I | 01 | 8.3 x 16.3 x 26.3 | 6.7 | 500 | 1779 | 439 | K | 2 | I | .00 |
| 0.47 µFX2 | M | 15.0 | F | 70 | 10.8 x 18.3 x 17.8 | 7.6 | 750 | 1779 | 447 | M | 2 | F | .00 |
| 0.47 µFX2 | K/M | 22.5 | I | 01 | 8.8 x 16.8 x 26.3 | 6.9 | 500 | 1779 | 447 | . | 2 | I | .00 |
| 0.47 µFX2 | K/M | 27.5 | K | 23 | 8.8 x 16.3 x 31.3 | 8.0 | 500 | 1779 | 447 | . | 2 | K | .00 |
| 0.56 µFX2 | K | 27.5 | K | 29 | 8.8 x 18.3 x 31.3 | 10.3 | 350 | 1779 | 456 | K | 2 | K | .00 |
| 0.68 µFX2 | K/M | 22.5 | I | 45 | 10.8 x 20.8 x 26.3 | 9.0 | 500 | 1779 | 468 | . | 2 | I | .00 |
| 0.68 µFX2 | K/M | 27.5 | K | 14 | 11.0 x 20.3 x 31.3 | 10.2 | 250 | 1779 | 468 | . | 2 | K | .00 |
| 0.82 µFX2 | K | 27.5 | K | 14 | 11.0 x 20.3 x 31.3 | 10.2 | 300 | 1779 | 482 | K | 2 | K | .00 |
| 1.0 µFX2 | M | 22.5 | I | 25 | 12.3 x 22.3 x 26.3 | 12.2 | 500 | 1779 | 510 | M | 2 | I | .00 |
| 1.0 µFX2 | K | 27.5 | K | 15 | 13.0 x 23.3 x 31.3 | 14.1 | 300 | 1779 | 510 | K | 2 | K | .00 |
| 1.0 µFX2 | M | 27.5 | K | 14 | 11.0 x 20.3 x 31.3 | 9.1 | 125 | 1779 | 510 | M | 2 | K | .00 |
| 1.2 µFX2 | K | 27.5 | K | 15 | 13.0 x 23.3 x 31.3 | 14.1 | 250 | 1779 | 512 | K | 2 | K | .00 |
| 1.5 µFX2 | K/M | 27.5 | K | 18 | 14.5 x 24.3 x 31.3 | 16.2 | 250 | 1779 | 515 | M | 2 | K | .00 |
| 1.8 µFX2 | K | 27.5 | K | 40 | 17.8 x 32.3 x 31.3 | 25.6 | 150 | 1779 | 518 | K | 2 | K | .00 |
| 2.2 µFX2 | K/M | 27.5 | K | 40 | 17.8 x 32.4 x 31.2 | 25.6 | 80 | 1779 | 522 | . | 2 | K | .00 |
| 2.2 µFX2 | M | 27.5 | K | 70 | 16.3 x 29.3 x 31.3 | 22.0 | 750 | 1779 | 447 | M | 2 | F | .00 |

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

* With  and  mark, the ordering code is a 4 on digit 12.

Ordering example: 1779 410 M 2 F D40



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