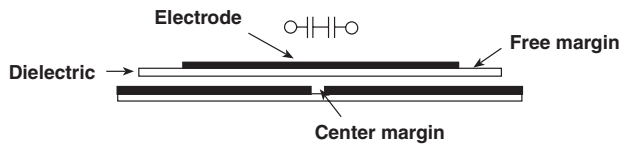
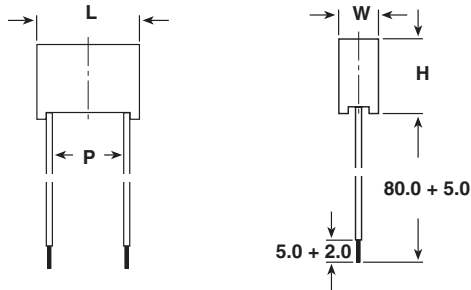


## AC-Capacitors, Suppression Capacitors Class X2 AC 300 V (MKT)

Dimensions in mm


**MAXIMUM PULSE RISE TIME: ( $d_u/d_t$ ) in V/ $\mu$ s**

RATED VOLTAGE	PITCH P (mm)			
	15.0	22.5	27.5	37.5
AC 300 V	200	150	100	100

**RATED VOLTAGE:**

AC 300 V, 50/60 Hz

**PERMISSIBLE DC VOLTAGE:**

DC 800 V

**TERMINALS:**

 Insulated stranded cooper wire, type LiY 0.5 mm<sup>2</sup> (or AWG 20) ends stripped

**COATING:**

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

**CLIMATIC TESTING CLASS ACC. TO EN 60068-1:**

40/100/56

**CAPACITANCE RANGE:**

 E12 series 0.01  $\mu$ FX2 - 2.2  $\mu$ FX2  
preferred values acc. to E6

**CAPACITANCE TOLERANCE:**

 Standard:  $\pm 10\%$ 
**FURTHER TECHNICAL DATA:**

See page 21 (Document No 26504)

**FEATURES:**

 Product is completely lead (Pb)-free  
Product is RoHS compliant

**RoHS**  
COMPLIANT

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

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

 30 G $\Omega$  average value  
15 G $\Omega$  minimum value

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

 10 000 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:**

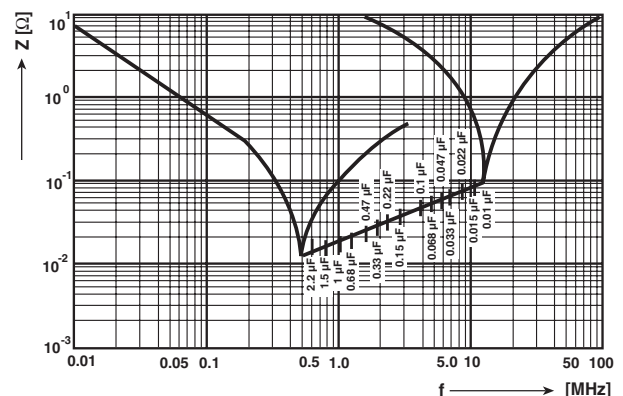
Polyester film

**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  $T_a = 20$  °C (average).  
Measurement with lead length 80 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 $\mu$ FX 0.01 - 1.0 $\mu$ FX	E 76297 E 100682	
Canada (for AC 250 V)	C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994	0.01 - 2.2 $\mu$ FX 0.01 - 0.82 $\mu$ FX	LR 64546 LR 64546-8	
<b>CB TEST-CERTIFICATE (for AC 300 V)</b>		0.01 - 2.2 $\mu$ FX2	DE 1-8791	
Germany	EN 132 400, 1999 IEC 60384-14, 2nd edition, 1995	0.01 - 2.2 $\mu$ FX2	108808	
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 P (mm)	BOX NO.	DIMENSIONS W x H x L (mm) (+ 0.2/- 0.4 mm)	WEIGHT (g)	QUANTITY PACKAGE (pcs)	ORDERING CODE**
0.01 $\mu$ FX2	$\pm 10$	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-310-3...-E3
0.012 $\mu$ FX2	$\pm 10$	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-312-3...-E3
0.015 $\mu$ FX2	$\pm 10$	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-315-3...-E3
0.018 $\mu$ FX2	$\pm 10$	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-318-3...-E3
0.022 $\mu$ FX2	$\pm 10$	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-322-3...-E3
0.027 $\mu$ FX2	$\pm 10$	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-327-3...-E3
0.033 $\mu$ FX2	$\pm 10$	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1774-333-3...-E3
0.039 $\mu$ FX2	$\pm 10$	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1774-339-3...-E3
0.047 $\mu$ FX2	$\pm 10$	15.0	07	7.3 x 13.3 x 17.8	3.6	800	F1774-347-3...-E3
0.056 $\mu$ FX2	$\pm 10$	15.0	07	7.3 x 13.3 x 17.8	3.6	800	F1774-356-3...-E3
0.068 $\mu$ FX2	$\pm 10$	15.0	08	8.3 x 14.3 x 17.8	3.9	800	F1774-368-3...-E3
0.082 $\mu$ FX2	$\pm 10$	15.0	08	8.3 x 14.3 x 17.8	3.9	800	F1774-382-3...-E3
0.1 $\mu$ FX2	$\pm 10$	15.0*	28	8.3 x 17.3 x 17.8	4.7	800	F1774-410-3...-E3
0.12 $\mu$ FX2	$\pm 10$	15.0*	35	10.3 x 18.3 x 17.8	5.5	500	F1774-412-3...-E3
0.15 $\mu$ FX2	$\pm 10$	22.5*	12	8.3 x 16.3 x 26.3	5.8	500	F1774-415-3...-E3
0.18 $\mu$ FX2	$\pm 10$	22.5*	12	8.3 x 16.3 x 26.3	5.8	500	F1774-418-3...-E3
0.22 $\mu$ FX2	$\pm 10$	22.5*	13	10.3 x 18.3 x 26.3	7.9	500	F1774-422-3...-E3
0.27 $\mu$ FX2	$\pm 10$	27.5*	23	8.8 x 16.8 x 31.3	7.5	500	F1774-427-3...-E3
0.33 $\mu$ FX2	$\pm 10$	27.5*	14	11.0 x 20.3 x 31.3	7.5	500	F1774-433-3...-E3
0.39 $\mu$ FX2	$\pm 10$	27.5*	14	11.0 x 20.3 x 31.3	10.3	350	F1774-439-3...-E3
0.47 $\mu$ FX2	$\pm 10$	27.5*	15	13.0 x 23.3 x 31.3	14.1	300	F1774-447-3...-E3
0.56 $\mu$ FX2	$\pm 10$	27.5*	15	13.0 x 23.3 x 31.3	14.1	300	F1774-456-3...-E3
0.68 $\mu$ FX2	$\pm 10$	27.5*	18	14.5 x 24.3 x 31.3	16.2	250	F1774-468-3...-E3
0.82 $\mu$ FX2	$\pm 10$	27.5*	40	17.8 x 32.3 x 31.3	21.9	175	F1774-482-3...-E3
1.0 $\mu$ FX2	$\pm 10$	27.5*	40	17.8 x 32.3 x 31.3	21.9	175	F1774-510-3...-E3
1.2 $\mu$ FX2	$\pm 10$	27.5*	40	17.8 x 32.3 x 31.3	21.9	175	F1774-512-3...-E3
1.5 $\mu$ FX2	$\pm 10$	37.5*	20	17.8 x 32.3 x 41.3	32.8	100	F1774-515-3...-E3
1.8 $\mu$ FX2	$\pm 10$	37.5*	20	17.8 x 32.3 x 41.3	32.8	100	F1774-518-3...-E3
2.2 $\mu$ FX2	$\pm 10$	37.5*	42	19.8 x 39.8 x 42.3	46.4	75	F1774-522-3...-E3

Preferred values in bold print.

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

\* Different pitch on request

\*\* With  and  mark, the ordering code is F1774-...-3400-E3.

The suffix "E3" is used for the RoHS-compliant version, although in most cases this is the only available version.



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