

AC-Capacitors, Suppression Capacitors Class X2 AC 275V (MKT)

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

RATED VOLTAGE:

AC 275V, 50/60Hz

PERMISSIBLE DC VOLTAGE:

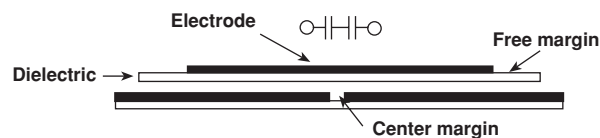
DC 630V

COATING:

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

CONSTRUCTION:

Metallized film capacitor
Internal series connection



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

RATED VOLTAGE	PITCH P (mm)			
	≤ 15.0	≤ 22.5	≤ 27.5	≤ 37.5
AC 275V	200	150	100	100

TERMINALS:

Insulated stranded copper wire, type LiY 0.5mm² (or AWG 20) ends stripped and tinned or insulated solid copper wire, type YV (d = 0.8mm) with stripped ends on request.

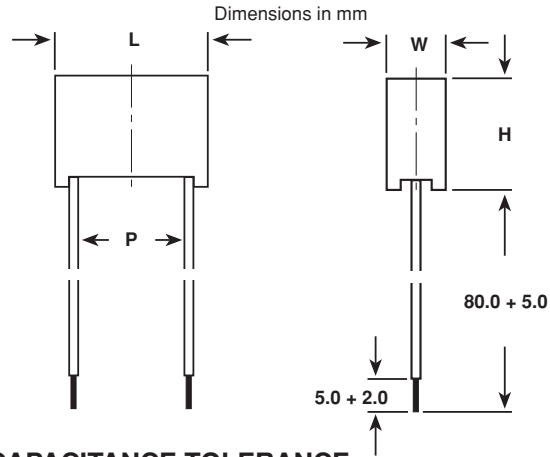
CLIMATIC TESTING CLASS ACC. TO

EN 60068-1:

40/100/56

CAPACITANCE RANGE:

E12 series 0.01 μ FX2 - 2.2 μ FX2
preferred values acc. to E6



CAPACITANCE TOLERANCE:

Standard: $\pm 10\%$

DISSIPATION FACTOR TAN δ :

< 1% measured at 1kHz

INSULATION RESISTANCE: FOR C \leq 0.33 μ F:

30 G Ω average value
15 G Ω minimum value

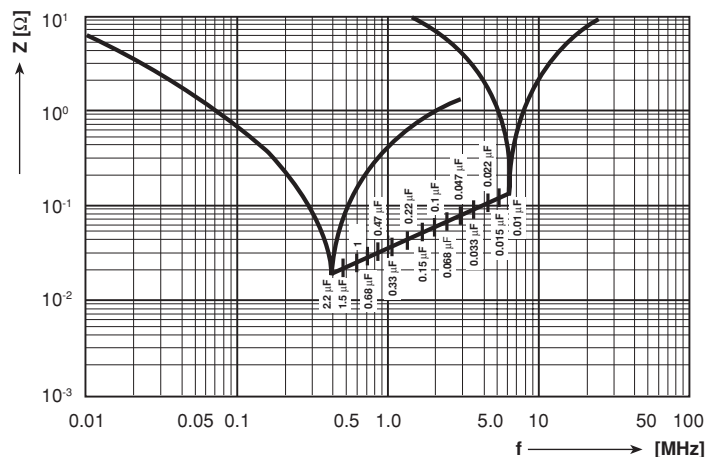
TIME CONSTANT FOR C > 0.33 μ F:

10 000 sec. average value
5 000 sec. minimum value

TEST VOLTAGE:

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

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



Impedance (Z) as a function of frequency (f)
at T_a = 20°C (average).

Measurement with lead length 80mm.

FURTHER TECHNICAL DATA:

See page 21 (Document No 26504)



APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250V)	UL 1283 UL 1414	0.01 - 2.2 μ FX 0.01 - 1.0 μ FX	E 76297 E 100682	
Canada (for AC 250V)	C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994	0.01 - 2.2 μ FX 0.01 - 0.82 μ FX	LR 64546 LR 64546-8	
CB TEST-CERTIFICATE (for AC 275V)		0.01 - 2.2 μ FX2	DE 1-8790	
Germany	EN 132 400, 1999 IEC 60384-14, 2nd edition, 1995	0.01 - 2.2 μ FX2	83658	
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/- 0.4mm)	WEIGHT (g)	QUANTITY PACKAGE (pcs)	ORDERING CODE**
0.01 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-310-2 . . .
0.012 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-312-2 . . .
0.015 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-315-2 . . .
0.018 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-318-2 . . .
0.022 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-322-2 . . .
0.027 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-327-2 . . .
0.033 μ FX2	± 10	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-333-2 . . .
0.039 μ FX2	± 10	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1774-339-2 . . .
0.047 μ FX2	± 10	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1774-347-2 . . .
0.056 μ FX2	± 10	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1774-356-2 . . .
0.068 μ FX2	± 10	15.0	07	7.3 x 13.3 x 17.8	3.6	800	F1774-368-2 . . .
0.082 μ FX2	± 10	15.0	08	8.3 x 14.3 x 17.8	3.9	800	F1774-382-2 . . .
0.1 μ FX2	± 10	15.0*	08	8.3 x 14.3 x 17.8	3.9	800	F1774-410-2 . . .
0.12 μ FX2	± 10	15.0*	08	8.3 x 14.3 x 17.8	3.9	800	F1774-412-2 . . .
0.15 μ FX2	± 10	22.5*	11	7.3 x 15.3 x 26.3	5.3	500	F1774-415-2 . . .
0.18 μ FX2	± 10	22.5*	11	7.3 x 15.3 x 26.3	5.3	500	F1774-418-2 . . .
0.22 μ FX2	± 10	22.5*	12	8.3 x 16.3 x 26.3	5.8	500	F1774-422-2 . . .
0.27 μ FX2	± 10	22.5*	13	10.3 x 18.3 x 26.3	7.9	500	F1774-427-2 . . .
0.33 μ FX2	± 10	22.5*	13	10.3 x 18.3 x 26.3	7.9	500	F1774-433-2 . . .
0.39 μ FX2	± 10	27.5*	14	11.0 x 20.3 x 31.3	10.3	350	F1774-439-2 . . .
0.47 μ FX2	± 10	27.5*	14	11.0 x 20.3 x 31.3	10.3	350	F1774-447-2 . . .
0.56 μ FX2	± 10	27.5*	14	11.0 x 20.3 x 31.3	10.3	350	F1774-456-2 . . .
0.68 μ FX2	± 10	27.5*	15	13.3 x 23.3 x 31.3	14.1	300	F1774-468-2 . . .
0.82 μ FX2	± 10	27.5*	15	13.0 x 23.3 x 31.3	16.2	250	F1774-482-2 . . .
1.0 μ FX2	± 10	27.5*	18	14.5 x 24.3 x 31.3	16.2	250	F1774-510-2 . . .
1.2 μ FX2	± 10	37.5*	16	14.0 x 24.3 x 41.3	20.1	200	F1774-512-2 . . .
1.5 μ FX2	± 10	37.5*	19	15.5 x 28.3 x 41.3	20.1	200	F1774-515-2 . . .
1.8 μ FX2	± 10	37.5*	19	15.5 x 28.3 x 41.3	25.2	150	F1774-518-2 . . .
2.2 μ FX2	± 10	37.5*	20	17.8 x 32.3 x 41.3	32.8	100	F1774-522-2 . . .

Preferred values in bold print.

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

*Different pitch on request.

**With and , the ordering code is F1774- . . . - 2400.



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