

AC-Capacitors, Suppression Capacitors Class X2 AC 440V (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 440V, 50/60Hz

PERMISSIBLE DC VOLTAGE:

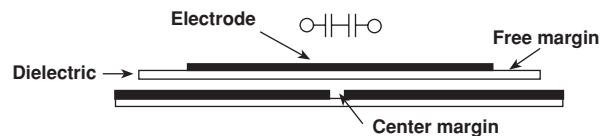
DC 1000V

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/μs

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

TERMINALS:

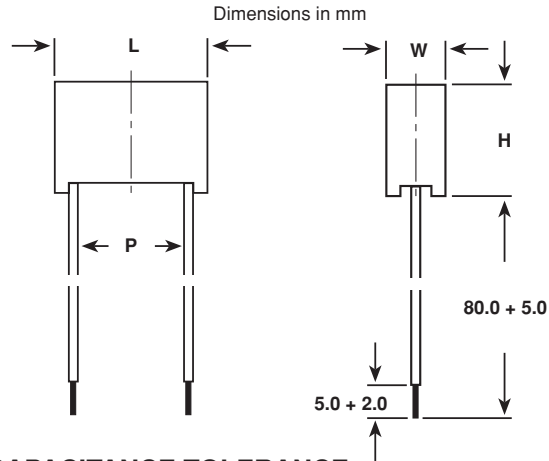
Insulated stranded copper wire, type LiY 0.5mm²
(or AWG 20) ends stripped and tinned or insulated solid copper wire, type YV (d = 0.8mm) with stripped ends on request.

CLIMATIC TESTING CLASS ACC. TO EN 60068-1:

40/100/56

CAPACITANCE RANGE:

E6 series 0.01μFX2 - 1.0μFX2
E12 values on request



CAPACITANCE TOLERANCE:

Standard: ± 20%

DISSIPATION FACTOR TANδ:

< 1% measured at 1kHz

INSULATION RESISTANCE: FOR C ≤ 0.33μF:

30 GΩ average value
15 GΩ minimum value

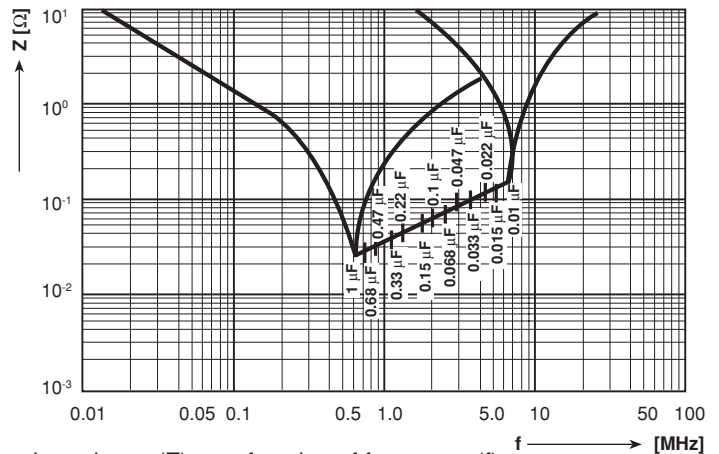
TIME CONSTANT FOR C > 0.33μF:

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 - 1.0 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 - 1.0 μ FX 0.01 - 0.82 μ FX	LR 64546 LR 64546-8	
CB TEST-CERTIFICATE (for AC 440V)		0.01 - 1.0 μ FX2	DE 1-5193	
Germany	EN 132 400, 1999 IEC 60384-14, 2nd edition; 1995	0.01 - 1.0 μ FX2	94616	
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	BOX	DIMENSIONS	WEIGHT	QUANTITY	ORDERING
	(%)	P	NO.	W x H x L (mm)	(g)	PACKAGE	CODE*
		(mm)		(+ 0.2/- 0.4mm)		(pcs)	
0.01 μ FX2	\pm 20	15.0	05	5.3 x 10.3 x 17.8	2.6	1000	F1774-310-42 ..
0.015 μ FX2	\pm 20	15.0	49	6.0 x 12.0 x 17.9	3.2	900	F1774-315-42 ..
0.022 μ FX2	\pm 20	15.0	07	7.3 x 13.3 x 17.8	3.6	800	F1774-322-42 ..
0.033 μ FX2	\pm 20	15.0	08	8.3 x 14.3 x 17.8	3.9	800	F1774-333-42 ..
0.047 μ FX2	\pm 20	22.5	09	6.3 x 14.3 x 26.3	4.5	650	F1774-347-42 ..
0.047 μ FX2	\pm 20	15.0	28	8.3 x 17.3 x 17.8	4.7	600	F1774-347-426 .
0.068 μ FX2	\pm 20	22.5	11	7.3 x 15.3 x 26.3	5.3	500	F1774-368-42 ..
0.068 μ FX2	\pm 20	15.0	35	10.3 x 17.3 x 17.8	5.5	500	F1774-368-426 .
0.1 μ FX2	\pm 20	22.5	12	8.3 x 16.3 x 26.3	5.8	500	F1774-410-42 ..
0.1 μ FX2	\pm 20	15.0	36	13.3 x 22.3 x 17.8	5.4	400	F1774-310-426 .
0.15 μ FX2	\pm 20	27.5	29	8.8 x 18.3 x 31.3	8.0	450	F1774-415-42 ..
0.15 μ FX2	\pm 20	22.5	13	10.3 x 18.3 x 26.3	7.9	500	F1774-415-426 .
0.22 μ FX2	\pm 20	27.5	14	11.0 x 20.3 x 31.3	10.3	350	F1774-422-42 ..
0.22 μ FX2	\pm 20	22.5	27	12.3 x 19.8 x 26.3	9.9	400	F1774-422-426 .
0.33 μ FX2	\pm 20	27.5	15	13.0 x 23.3 x 31.2	14.1	300	F1774-433-42 ..
0.33 μ FX2	\pm 20	22.5	38	15.3 x 26.3 x 26.3	15.5	250	F1774-433-426 .
0.47 μ FX2	\pm 20	37.5	44	12.0 x 22.3 x 41.3	16.4	225	F1774-447-42 ..
0.47 μ FX2	\pm 20	27.5	17	16.0 x 29.3 x 31.3	21.2	175	F1774-447-426 .
0.68 μ FX2	\pm 20	37.5	19	15.5 x 28.3 x 41.3	25.2	150	F1774-468-42 ..
0.68 μ FX2	\pm 20	27.5	40	17.8 x 32.8 x 31.3	25.6	150	F1774-468-426 .
1.0 μ FX2	\pm 20	37.5	20	17.8 x 32.3 x 41.3	32.8	100	F1774-510-42 ..
1.0 μ FX2	\pm 20	27.5	41	19.5 x 34.8 x 31.3	32.1	125	F1774-510-426 .

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

*With and mark, the ordering code is F1774- . . . - 4240 or F1774- . . . - 4264.