

AC-Capacitors, Suppression Capacitors Class X1 AC 440V (MKT)

REFERENCE STANDARDS:

EN 132 400, 1994
EN 60069-1
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:

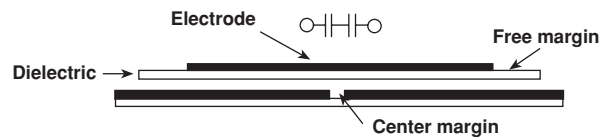
DC 1000V

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:

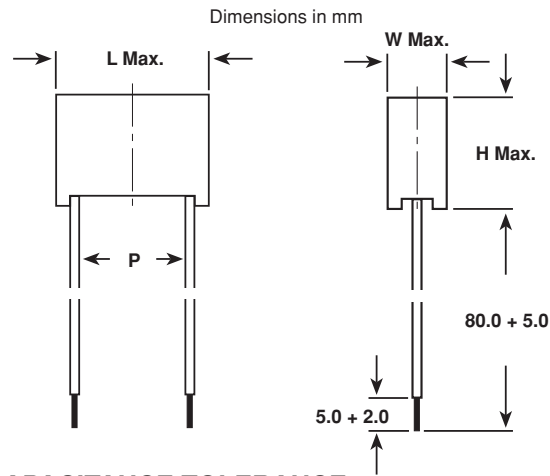
Insulated stranded copper wire, type LiY 0.5mm²
(or AWG 20) ends stripped and tinned or insulated solid
copper wire, type YV (d = 0.8mm) with stripped ends on
request.

CLIMATIC TESTING CLASS ACC. TO EN 60068-1:

40/100/56

CAPACITANCE RANGE:

E12 series 0.01μFX1 - 0.47μFX1
preferred values acc. to E6



CAPACITANCE TOLERANCE:

Standard: ± 10%

DISSIPATION FACTOR TANδ:

< 1% measured at 1kHz

INSULATION RESISTANCE: FOR C ≤ 0.33μF:

30 GΩ average value
15 GΩ minimum value

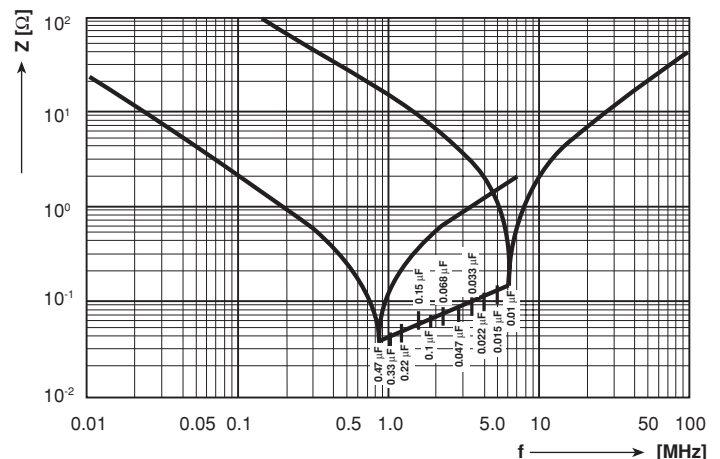
TIME CONSTANT FOR C > 0.33μF:

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 59 (Document No 26516)



APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250V)	UL 1283 UL 1414	0.01 - 0.47 μ FX 0.01 - 0.47 μ FX	Pending Pending	
Canada (for AC 250V)	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 440V)		0.01 - 0.47 μ FX1	DE 1 - 8221	
Germany	EN 132 400, 1999 IEC 60384-14, 2nd edition, 1995	0.01 - 0.47 μ FX1	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 P (mm)	BOX NO.	DIMENSIONS W x H x L (mm) (+ 0.2/- 0.4mm)	WEIGHT (g)	QUANTITY PACKAGE (pcs)	ORDERING CODE**
0.01 μFX1	± 10	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1724-310-4 ...
0.012 μ FX1	± 10	15.0	06	6.3 x 12.3 x 17.8	3.2	850	F1724-312-4 ...
0.015 μFX1	± 10	15.0	07	7.3 x 13.3 x 17.8	3.6	800	F1724-315-4 ...
0.018 μ FX1	± 10	15.0	07	7.3 x 13.3 x 17.8	3.6	800	F1724-318-4 ...
0.022 μFX1	± 10	15.0	08	8.3 x 14.3 x 17.8	3.9	800	F1724-322-4 ...
0.027 μ FX1	± 10	15.0	08	8.3 x 14.3 x 17.8	3.9	800	F1724-327-4 ...
0.033 μFX1	± 10	15.0	28	8.3 x 17.3 x 17.8	3.9	800	F1724-333-4 ...
0.039 μ FX1	± 10	22.5*	09	6.3 x 14.3 x 26.3	3.9	650	F1724-339-4 ...
0.047 μFX1	± 10	22.5*	11	7.3 x 15.3 x 26.3	5.3	500	F1724-347-4 ...
0.056 μ FX1	± 10	22.5*	12	8.3 x 16.3 x 26.3	5.8	500	F1724-356-4 ...
0.068 μFX1	± 10	22.5*	12	8.3 x 16.3 x 26.3	5.8	500	F1724-368-4 ...
0.082 μ FX1	± 10	22.5*	12	8.3 x 16.3 x 26.3	5.8	500	F1724-382-4 ...
0.1 μFX1	± 10	22.5*	13	10.3 x 18.3 x 26.3	7.9	500	F1724-410-4 ...
0.12 μ FX1	± 10	22.5*	13	10.3 x 18.3 x 26.3	7.9	500	F1724-412-4 ...
0.15 μFX1	± 10	27.5*	14	11.0 x 20.3 x 31.3	10.3	350	F1724-415-4 ...
0.18 μ FX1	± 10	27.5*	14	11.0 x 20.3 x 31.3	10.3	350	F1724-418-4 ...
0.22 μFX1	± 10	27.5*	15	13.0 x 23.3 x 31.3	14.1	300	F1724-422-4 ...
0.27 μ FX1	± 10	27.5*	15	13.0 x 23.3 x 31.3	14.1	300	F1724-427-4 ...
0.33 μFX1	± 10	27.5*	18	14.5 x 24.3 x 31.3	16.2	250	F1724-433-4 ...
0.39 μ FX1	± 10	37.5*	14	12.0 x 22.3 x 41.3	16.4	225	F1724-439-4 ...
0.47 μFX1	± 10	37.5*	16	14.0 x 24.3 x 41.3	20.1	200	F1724-447-4 ...

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 F1724 - ... - 4400.

This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.