

AC-Capacitors, Suppression Capacitors

Class X2 AC 275V (Code pos. 9 = 2) (MKP)

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:

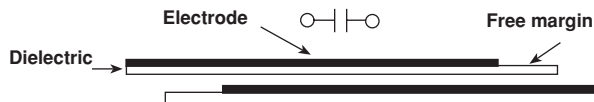
Polypropylene film

ELECTRODES:

Metal evaporated

CONSTRUCTION:

Metallized film capacitor, single design

**RATED VOLTAGE:**

AC 275V, 50/60Hz

PERMISSIBLE DC VOLTAGE:

DC 630V

COATING:

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

CLIMATIC TESTING CLASS ACC. TO EN 60068-1:

40/100/56

TEST VOLTAGE:

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

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

APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250V)	UL 1283 UL 1414	0.01 - 2.2μFX 0.01 - 1.0μFX	E76297 Pending	
Canada (for AC 250V)	C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994	0.01 - 2.2μFX 0.01 - 1.0μFX	Pending Pending	
CB TEST-CERTIFICATE (for AC 275V)		0.01 - 2.2μFX2	DE-1-8222	
Germany	EN 132 400; 1999-06 IEC 60384-14, 2nd edition; 1995-06	0.01 - 2.2μFX2	118350	

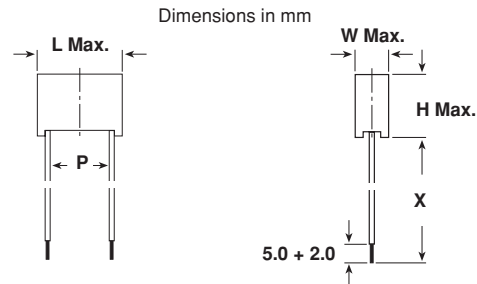
MAXIMUM PULSE RISE TIME: (d_u/d_t) in V/μs

RATED VOLTAGE	PITCH (mm)			
	10.0	15.0	22.5	27.5
AC 275V	200	200	150	100

FURTHER TECHNICAL DATA:

See page 21 (Document No 26504)

Impedance (Z) as a function of frequency (f)
at $T_a = 20^\circ\text{C}$ (average).
Measurement with lead length 6mm.

**TERMINALS:**

PITCH P(mm)	LEADS
10	LiY 0.25mm ² /YV d = 0.6mm or AWG 24
≥15	LiY 0.5mm ² /YV d = 0.8mm or AWG 20

Insulated stranded copper wire, type LiY (or AWG ≥ Pitch 15)
ends stripped and tinned or insulated solid copper wire, type
YV with stripped ends on request

CAPACITANCE RANGE:

E12 series 0.01μFX2 - 2.2μFX2
preferred values acc. to E6

CAPACITANCE TOLERANCE:

Standard: ± 20%/± 10%

DISSIPATION FACTOR TANδ:

< 0.1% measured at 1kHz

INSULATION RESISTANCE: FOR C ≤ 0.33μF:

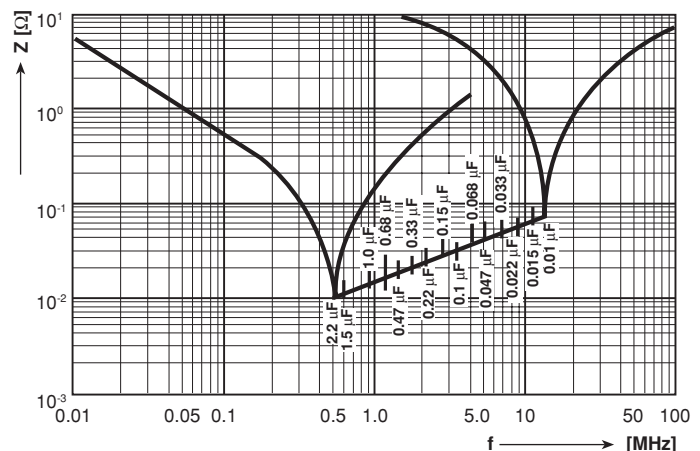
30 GΩ average value

15 GΩ minimum value

TIME CONSTANT FOR C > 0.33μF:

10 000 sec. average value

5 000 sec. minimum value





PCM (mm)	PITCH CODE Pos. 10	TERMINAL $\varnothing$ d (mm)
10	D	0.25
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	

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/- 0.4mm)	WEIGHT LEAD LENGTH D = 80mm (g)	QUANTITY PACKAGE WITH LEAD LENGTH D = 80mm (pcs)	ORDERING CODE*						
		(mm)	CODE POS. 10					TYPE	C- VALUE	TOL.	VOLTAGE	PITCH	DESIGN LEAD LENGTH DESIGN	
								1-4	5-7	8	9	10	11-13	
0.01 μFX2	K/M	10.0	D	32	3.8 x 8.8 x 12.8	1.4	1250	1779	310	.	2	D	.00	
0.012 μFX2	K	10.0	D	32	3.8 x 8.8 x 12.8	1.4	1250	1779	312	K	2	D	.00	
0.015 μFX2	K/M	10.0	D	32	3.8 x 8.8 x 12.8	1.4	1250	1779	315	M	2	D	.00	
0.018 μFX2	K	10.0	D	03	5.3 x 10.3 x 12.8	1.8	1250	1779	318	K	2	D	.00	
0.022 μFX2	K/M	10.0	D	03	5.3 x 10.3 x 12.8	1.8	1250	1779	322	.	2	D	.00	
0.027 μFX2	K	10.0	D	03	5.3 x 10.3 x 12.8	1.8	1250	1779	327	K	2	D	.00	
0.033 μFX2	K/M	10.0	D	03	5.3 x 10.3 x 12.8	1.8	1250	1779	333	M	2	D	.00	
0.039 μFX2	K	10.0	D	04	6.3 x 11.3 x 12.8	1.7	1000	1779	339	K	2	D	.00	
0.047 μFX2	K/M	10.0	D	04	6.3 x 11.3 x 12.8	1.7	1000	1779	347	.	2	D	.00	
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