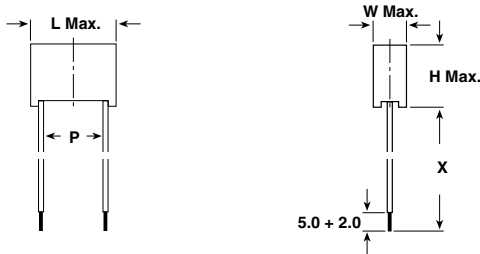


AC-Capacitors, Suppression Capacitors Class X2 AC 275 V (Code pos. 9 = 2) (MKP)

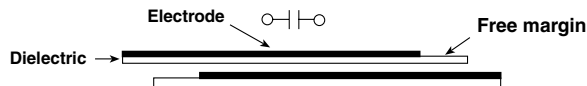
Dimensions in mm



PCM (mm)	PITCH CODE POS. 10	TERMINAL Ø d (mm)
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.	1-4	5-7	8	9	10	11-13	
30 ⁺⁵	A	1779	...	.	2	.	A 0 0	E3
40 ⁺⁵	B	1779	...	.	2	.	B 0 0	E3
50 ⁺⁵	C	1779	...	.	2	.	C 0 0	E3
60 ⁺⁵	E	1779	...	.	2	.	E 0 0	E3
80 ⁺⁵	D	1779	...	.	2	.	D 0 0	E3
100 ⁺¹⁰	L	1779	...	.	2	.	L 0 0	E3
150 ⁺¹⁰	R	1779	...	.	2	.	R 0 0	E3

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



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

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

RATED VOLTAGE:

AC 275 V, 50/60 Hz

PERMISSIBLE DC VOLTAGE:

DC 630 V

TERMINALS:

 Insulated stranded copper wire, type LiY 0.5 mm² (or AWG 20) ends stripped and tinned

COATING:

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

CLIMATIC TESTING CLASS ACC. TO EN 60068-1: 40/100/56

FURTHER TECHNICAL DATA:

See page 21 (Document No 26504)

FEATURES:

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

CAPACITANCE RANGE:

E12 series 0.01 µF X2 - 2.2 µF X2
preferred values acc. to E6

CAPACITANCE TOLERANCE:

Standard: ± 20 %/± 10 %

DISSIPATION FACTOR TAN δ:

< 0.1 % measured at 1 kHz

INSULATION RESISTANCE: FOR C ≤ 0.33 µF:

30 GΩ average value
15 GΩ minimum value

TIME CONSTANT FOR C > 0.33 µF:

10 000 sec. average value
5000 sec. minimum value

TEST VOLTAGE:

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

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

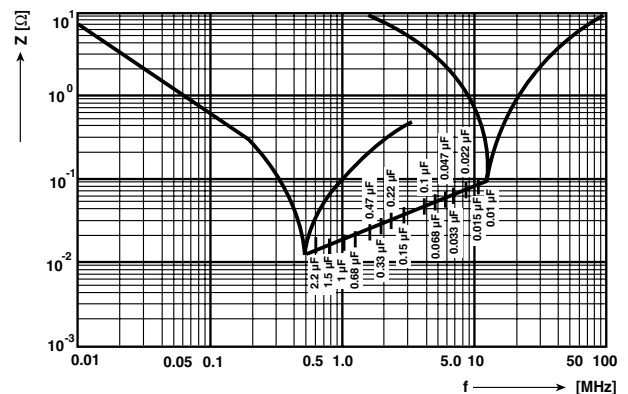
ELECTRODES:

Metal evaporated

CONSTRUCTION:

Metallized film capacitor, single design

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 6 mm.


**RoHS
COMPLIANT**



Vishay Roederstein AC-Capacitors, Suppression Capacitors
Class X2 275 V (Code pos. 9 = 2) (MKP)

APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250 V)	UL 1283 UL 1414	0.01 - 2.2 µF X 0.01 - 1.0 µF X	E 76297 Pending	
Canada (for AC 250 V)	C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994	0.01 - 2.2 µF X 0.01 - 1.0 µF X	Pending Pending	
CB TEST-CERTIFICATE (for AC 275 V)		0.01 - 2.2 µF X2	DE 1-8222	
Germany	EN 132 400; 1999-06 IEC 60384-14, 2nd edition; 1995-06	0.01 - 4.7 µF X2	40000787	

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/- 0.4 mm)	WEIGHT LEAD LENGTH D = 80 mm (g)	QUANTITY PACKAGE LEAD LENGTH D = 80 mm (pcs)	ORDERING CODE*						
		(mm)	CODE POS. 10					TYPE	C-VALUE	TOL.	VOLTAGE	PITCH	LEAD LENGTH DESIGN	RoHS SUFFIX
0.047 µF X2	K/M	15.0	F	05	5.3 x 10.3 x 17.8	2.6	1000	1779	347	.	2	F	.00	E3
0.056 µF X2	K	15.0	F	05	5.3 x 10.3 x 17.8	2.6	1000	1779	356	K	2	F	.00	E3
0.068 µF X2	K/M	15.0	F	05	6.0 x 12.0 x 17.9	3.2	900	1779	368	.	2	F	.00	E3
0.082 µF X2	K	15.0	F	49	6.0 x 12.0 x 17.9	3.2	900	1779	382	K	2	F	.00	E3
0.1 µF X2	M	10.0	D	91	6.4 x 12.5 x 12.8	3.0	900	1779	410	K	2	D	.00	E3
0.1 µF X2	K/M	15.0	F	49	6.0 x 12.0 x 17.9	3.2	900	1779	410	M	2	F	.00	E3
0.12 µF X2	K	15.0	F	07	7.3 x 13.3 x 17.8	3.6	800	1779	412	K	2	F	.00	E3
0.15 µF X2	K/M	15.0	F	07	7.3 x 13.3 x 17.8	3.6	800	1779	415	M	2	F	.00	E3
0.15 µF X2	K/M	22.5	I	09	6.3 x 14.3 x 26.3	4.5	650	1779	415	M	2	I	.00	E3
0.18 µF X2	K	15.0	F	28	8.3 x 17.3 x 17.8	4.7	600	1779	418	K	2	F	.00	E3
0.22 µF X2	K	15.0	F	28	8.3 x 17.3 x 17.8	4.7	600	1779	422	K	2	F	.00	E3
0.22 µF X2	M	15.0	F	28	8.3 x 17.3 x 17.8	4.7	600	1779	422	M	2	F	.00	E3
0.22 µF X2	K/M	22.5	I	11	7.3 x 15.3 x 26.3	5.3	500	1779	422	.	2	I	.00	E3
0.22 µF X2	M	22.5	I	09	6.3 x 14.3 x 26.3	3.2	650	1779	422	M	2	I	.00	E3
0.27 µF X2	K	22.5	I	12	8.3 x 16.3 x 26.3	4.8	500	1779	427	K	2	I	.00	E3
0.33 µF X2	K	15.0	F	35	10.3 x 17.3 x 17.9	7.7	750	1779	433	K	2	F	.00	E3
0.33 µF X2	M	15.0	F	46	10.0 x 16.0 x 17.9	7.4	750	1779	433	M	2	F	.00	E3
0.33 µF X2	K/M	22.5	I	12	8.3 x 16.3 x 26.3	5.8	500	1779	433	M	2	I	.00	E3
0.39 µF X2	K	22.5	I	01	8.3 x 16.3 x 26.3	6.7	500	1779	439	K	2	I	.00	E3
0.47 µF X2	M	15.0	F	70	10.8 x 18.3 x 17.8	7.6	750	1779	447	M	2	F	.00	E3
0.47 µF X2	K/M	22.5	I	01	8.8 x 16.8 x 26.3	6.9	500	1779	447	.	2	I	.00	E3
0.47 µF X2	K/M	27.5	K	23	8.8 x 16.3 x 31.3	8.0	500	1779	447	.	2	K	.00	E3
0.56 µF X2	K	27.5	K	29	8.8 x 18.3 x 31.3	10.3	350	1779	456	K	2	K	.00	E3
0.68 µF X2	K/M	22.5	I	45	10.8 x 20.8 x 26.3	9.0	500	1779	468	.	2	I	.00	E3
0.68 µF X2	K/M	27.5	K	14	11.0 x 20.3 x 31.3	10.2	250	1779	468	.	2	K	.00	E3
0.82 µF X2	K	27.5	K	14	11.0 x 20.3 x 31.3	10.2	300	1779	482	K	2	K	.00	E3
1.0 µF X2	M	22.5	I	25	12.3 x 22.3 x 26.3	12.2	500	1779	510	M	2	I	.00	E3
1.0 µF X2	K	27.5	K	15	13.0 x 23.3 x 31.3	14.1	300	1779	510	K	2	K	.00	E3
1.0 µF X2	M	27.5	K	14	11.0 x 20.3 x 31.3	9.1	125	1779	510	M	2	K	.00	E3
1.2 µF X2	K	27.5	K	15	13.0 x 23.3 x 31.3	14.1	250	1779	512	K	2	K	.00	E3
1.5 µF X2	K/M	27.5	K	18	14.5 x 24.3 x 31.3	16.2	250	1779	515	M	2	K	.00	E3
1.8 µF X2	K	27.5	K	40	17.8 x 32.3 x 31.3	25.6	150	1779	518	K	2	K	.00	E3
2.2 µF X2	K/M	27.5	K	40	17.8 x 32.4 x 31.2	25.6	80	1779	522	.	2	K	.00	E3
2.2 µF X2	M	27.5	K	70	16.3 x 29.3 x 31.3	22.0	750	1779	447	M	2	F	.00	E3

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 E3



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