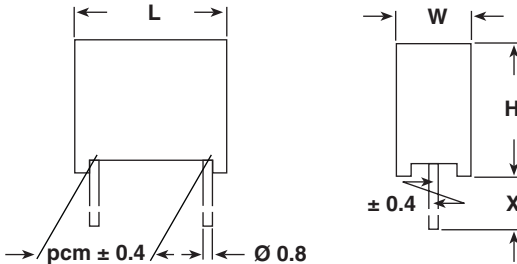
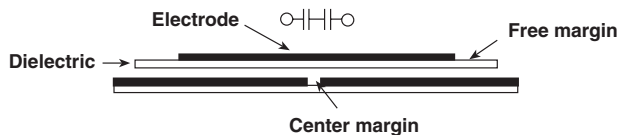


AC-Capacitors, Suppression Capacitors Class X1 AC 440 V (MKT)

Dimensions in mm



LEAD LENGTH X (mm)	ORDERING CODE**
4 ⁻¹	F1722-...-4004
6 ⁻¹	F1722-...-4000
15 ⁻¹	F1722-...-4015
30 ⁺⁵	F1722-...-4030



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

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

RATED VOLTAGE:

AC 440 V, 50/60 Hz

PERMISSIBLE DC VOLTAGE:

DC 1000 V

TERMINALS:

Radial tinned copper wire

COATING:

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

CLIMATIC TESTING CLASS ACC. TO EN 60068-1:

40/100/56

CAPACITANCE RANGE:

E12 series 0.01 μ FX1 - 0.47 μ FX2

preferred values acc. to E6

FURTHER TECHNICAL DATA:

See page 59 (Document No 26516)

FEATURES:

Product is completely lead (Pb)-free

Product is RoHS compliant

CAPACITANCE TOLERANCE:

Standard: $\pm 10\%$

DISSIPATION FACTOR $\tan\delta$:

$< 1\%$ measured at 1 kHz

INSULATION RESISTANCE: FOR $C \leq 0.33 \mu$ F:

30 G Ω average value

15 G Ω minimum value

TIME CONSTANT FOR $C > 0.33 \mu$ F:

10000 sec. average value

5000 sec. minimum value

TEST VOLTAGE:

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

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

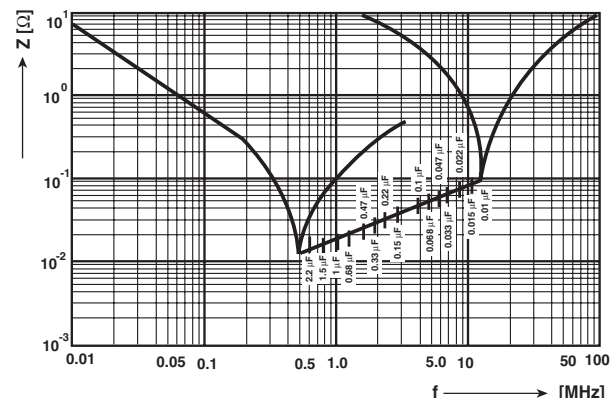
CONSTRUCTION:

Metallized film capacitor

Internal series connection

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 $T_a = 20\text{ °C}$ (average).

Measurement with lead length 6 mm.



RoHS
COMPLIANT

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

APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250 V)	UL 1283 UL 1414	0.01 - 0.47 μ FX 0.01 - 0.47 μ FX	Pending E 100682	
Canada (for AC 250 V)	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 440 V)		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	40005095	 
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 (mm)	BOX NO.	DIMENSIONS W x H x L (mm) (+ 0.2/- 0.4 mm)	WEIGHT (g)	QUANTITY PACKAGE (pcs)**	ORDERING CODE***
0.01 μFX1	± 10	15.0	06	6.3 x 12.3 x 17.8	2.0	500	F1722-310-4 ...
0.012 μ FX1	± 10	15.0	06	6.3 x 12.3 x 17.8	2.0	500	F1722-312-4 ...
0.015 μFX1	± 10	15.0	07	7.3 x 13.3 x 17.8	2.4	450	F1722-315-4 ...
0.018 μ FX1	± 10	15.0	07	7.3 x 13.3 x 17.8	2.4	450	F1722-318-4 ...
0.022 μFX1	± 10	15.0	08	8.3 x 14.3 x 17.8	2.7	325	F1722-322-4 ...
0.027 μ FX1	± 10	15.0	08	8.3 x 14.3 x 17.8	2.7	325	F1722-327-4 ...
0.033 μFX1	± 10	15.0	28	8.3 x 17.3 x 17.8	2.7	325	F1722-333-4 ...
0.039 μ FX1	± 10	22.5*	09	6.3 x 14.3 x 26.3	3.3	260	F1722-339-4 ...
0.047 μFX1	± 10	22.5*	11	7.3 x 15.3 x 26.3	4.1	235	F1722-347-4 ...
0.056 μ FX1	± 10	22.5*	12	8.3 x 16.3 x 26.3	4.6	200	F1722-356-4 ...
0.068 μFX1	± 10	22.5*	12	8.3 x 16.3 x 26.3	4.6	200	F1722-368-4 ...
0.082 μ FX1	± 10	22.5*	12	8.3 x 16.3 x 26.3	4.6	200	F1722-382-4 ...
0.1 μFX1	± 10	22.5*	13	10.3 x 18.3 x 26.3	6.7	170	F1722-410-4 ...
0.12 μ FX1	± 10	22.5*	13	10.3 x 18.3 x 26.3	6.7	170	F1722-412-4 ...
0.15 μFX1	± 10	27.5*	14	11.0 x 20.3 x 31.3	9.1	125	F1722-415-4 ...
0.18 μ FX1	± 10	27.5*	14	11.0 x 20.3 x 31.3	9.1	125	F1722-418-4 ...
0.22 μFX1	± 10	27.5*	15	13.0 x 23.3 x 31.3	12.9	110	F1722-422-4 ...
0.27 μ FX1	± 10	27.5*	15	13.0 x 23.3 x 31.3	12.9	110	F1722-427-4 ...
0.33 μFX1	± 10	27.5*	18	14.5 x 24.3 x 31.3	15.0	100	F1722-433-4 ...
0.39 μ FX1	± 10	37.5*	14	12.0 x 22.3 x 41.3	15.2	90	F1722-439-4 ...
0.47 μFX1	± 10	37.5*	16	14.0 x 24.3 x 41.3	18.9	80	F1722-447-4 ...

Preferred values in bold print.

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

* Different pitch on request.

** Further information about packaging quantities with different lead length and/or taped versions.

See page 16 (Document No 27608 Packing Quantities). Use Box No. as reference

*** These capacitors can be delivered on continuous tape and reel - see page 14/15 (Document No. 27622).

The ordering code is F1722-...-4900 at H = 16.5 mm, F1722-...-4901 at H = 18.5 mm.



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