

Vishay Roederstein AC-Capacitors, Suppression Capacitors Class X2 AC 275 V (MKT)

APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250 V)	UL 1283 UL 1414	0.01 - 2.2 μ FX 0.01 - 1.0 μ FX	E 76297 E 100682	
Canada (for AC 250 V)	C 22.2 No. 8-M 1986 C 22.2 No. 1-M 1994	0.01 - 2.2 μ FX 0.01 - 0.82 μ FX	LR 64546 LR 64546-8	
CB TEST-CERTIFICATE (for AC 275 V)		0.01 - 2.2 μ FX2	DE 1-8790	
Germany	EN 132 400; 1999-06 IEC 60384-14, 2nd edition; 1993-07, Table II + A1: 1995-06	0.01 - 2.2 μ FX2	40005120	 
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 LEAD LENGTH 6 ⁻¹ mm (g)	QUANTITY PACKAGE LEAD LENGTH < = 6 ⁻¹ mm (pcs)**	ORDERING CODE**
0.01 μ FX2	± 20	15.0	05	5.3 x 10.3 x 17.8	1.4	750	F1772-310-22 ..
0.015 μ FX2	± 20	15.0	05	5.3 x 10.3 x 17.8	1.4	750	F1772-315-22 ..
0.022 μ FX2	± 20	15.0	05	5.3 x 10.3 x 17.8	1.4	750	F1772-322-22 ..
0.033 μ FX2	± 20	15.0	05	5.3 x 10.3 x 17.8	1.4	750	F1772-333-22 ..
0.047 μ FX2	± 20	15.0	05	5.3 x 10.3 x 17.8	1.4	750	F1772-347-22 ..
0.068 μ FX2	± 20	15.0	49	6.0 x 12.0 x 17.9	2.0	600	F1772-368-22 ..
0.1 μ FX2	± 20	15.0	49	6.0 x 12.0 x 17.9	2.0	600	F1772-410-22 ..
0.15 μ FX2	± 20	22.5	09	6.3 x 14.3 x 26.3	3.3	260	F1772-415-22 ..
0.15 μ FX2	± 20	15.0	08	8.3 x 14.3 x 17.8	2.7	325	F1772-415-226 .
0.22 μ FX2	± 20	22.5	11	7.3 x 15.3 x 26.2	4.1	235	F1772-422-22 ..
0.22 μ FX2	± 20	15.0	28	8.3 x 17.3 x 17.8	3.5	300	F1772-422-226 .
0.33 μ FX2	± 20	22.5	01	8.8 x 16.8 x 26.3	5.3	190	F1772-433-22 ..
0.33 μ FX2	± 20	15.0	36	13.3 x 22.3 x 17.8	7.1	185	F1772-433-226 .
0.47 μ FX2	± 20	27.5	29	8.8 x 18.3 x 31.3	6.8	160	F1772-447-22 ..
0.47 μ FX2	± 20	22.5	13	10.3 x 18.3 x 26.3	6.7	170	F1772-447-226 .
0.68 μ FX2	± 20	27.5	14	11.0 x 20.3 x 31.3	12.9	125	F1772-468-22 ..
0.68 μ FX2	± 20	22.5	38	15.3 x 26.3 x 26.3	14.3	110	F1772-468-226 .
1.0 μ FX2	± 20	27.5	18	14.5 x 24.3 x 31.3	15.0	100	F1772-510-22 ..
1.0 μ FX2	± 20	22.5	38	15.3 x 26.3 x 26.3	14.3	110	F1772-510-226 .
1.5 μ FX2	± 20	37.5	16	14.0 x 24.3 x 41.3	18.9	80	F1772-515-22 ..
1.5 μ FX2	± 20	27.5	17	16.0 x 29.3 x 31.3	20.0	85	F1772-515-226 .
2.2 μ FX2	± 20	37.5	19	15.5 x 28.3 x 41.3	24.0	70	F1772-522-22 ..
2.2 μ FX2	± 20	27.5	41	19.5 x 34.8 x 31.3	28.0	70	F1772-522-226 .

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

* 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 Number 27622).

The ordering code is F1772-...-2290 at H = 16.5 mm
F1772-...-2291 at H = 18.5 mm
F1772-...-2960 at H = 16.5 mm
F1772-...-2961 at H = 18.5 mm

**APPLICATION NOTES**

- For X2 electromagnetic interference suppression in **across the line applications** (50/60 Hz) with a maximum mains voltage of 275 V (AC).
- These capacitors are not intended for continuous pulse applications. For these situations, capacitors of the AC and pulse programs must be used.
- These capacitors can be used for series impedance application in case safety approvals are requested.
- The maximum ambient temperature must not exceed 100 °C.
- Rated voltage pulse slope:
If the pulse voltage is lower than the rated voltage, the values of the specific reference data can be multiplied by 385 V (DC) and divided by the applied voltage.



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