

# F1740-3800 and F1740-3820

Vishay Roederstein



## Suppression Capacitors for Washing Machines/Dishwashers Class X1/Y2 AC 275V/250V

### TECHNICAL DATA:

See page 73 (Document Number 27001)

### TERMINALS:

3 faston terminals 6.3 x 0.8mm according to DIN 46247  
brass tinned

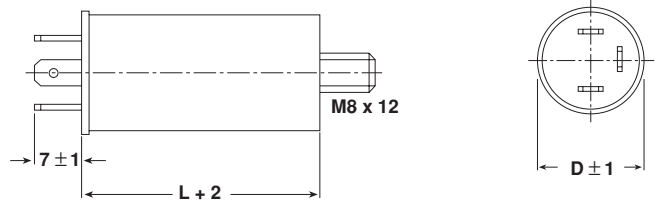
### COATING:

Cylindrical plastic case with integral stud M8 x 12mm,  
epoxy resin sealed, UL-class 94V-0. Maximum torque  
for the nut: 3.2 Nm

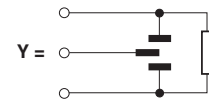
### RATED VOLTAGE:

AC 275V, 50/60Hz aX1  
AC 250V, 50/60Hz aY2

Dimensions in mm



### CIRCUIT DIAGRAM:



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CAPACITANCE X-Value	CAPACITANCE Y-Value	DISCHARGING RESISTOR	DIMENSIONS D x L (mm)	WEIGHT (g)	QUANTITY PACKAGE (pcs)	ORDERING CODE
0.27 $\mu$ FX1	2 x 0.027 $\mu$ FY2	1M $\Omega$	25 x 50	36.5	100	F1740-427-3800
0.27 $\mu$ FX1	2 x 0.01 $\mu$ FY2	1M $\Omega$	25 x 50	36.5	100	F1740-427-3820
0.47 $\mu$ FX1	2 x 0.027 $\mu$ FY2	680K $\Omega$	25 x 50	36.5	100	F1740-447-3800
0.47 $\mu$ FX1	2 x 0.01 $\mu$ FY2	680K $\Omega$	25 x 50	36.5	100	F1740-447-3820

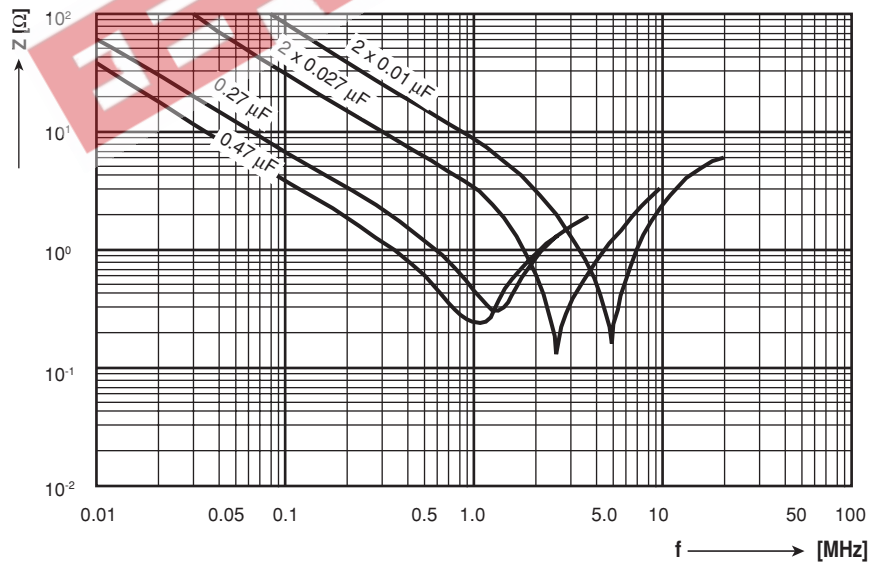


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Supp. Capacitors, Class X1/Y2 AC 275/250V Vishay Roederstein

## APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A. (for AC 250V)	UL 1283	0.27 $\mu$ FX - 0.47 $\mu$ FX + 2 x 2700 pFY - 2 x 0.027 $\mu$ FY	E 76297	
<b>CB TEST-CERTIFICATE</b>		0.27 $\mu$ FX1 - 0.47 $\mu$ FX1 + 2 x 2700 pFY2 - 2 x 0.027 $\mu$ FY2	CH 676-A1	
Switzerland (for AC 275/250V)	EN 132 400 IEC 60384-14, 2nd edition	0.27 $\mu$ FX1 - 0.47 $\mu$ FX1 + 2 x 2700 pFY2 - 2 x 0.027 $\mu$ FY2	96.1 10036.02	
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



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

Measurement with lead length 50mm.