

## Suppression, (Bi-polar) Capacitors Class X1Y2 AC 275V/250V

### TECHNICAL DATA:

See page 73 (Document Number 27001)

### TERMINALS:

Insulated stranded copper wire, type LiY 0.5mm<sup>2</sup> (or AWG 20) ends stripped and tinned or insulated solid copper wire, type YV (d = 0.8mm) on request.

### COATING:

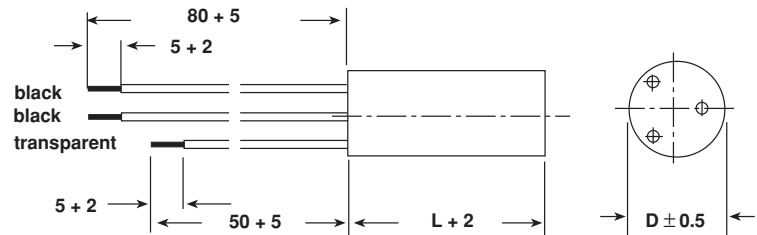
Plastic case, epoxy resin sealed, flame retardant, UL-class 94V-0

### RATED VOLTAGE:

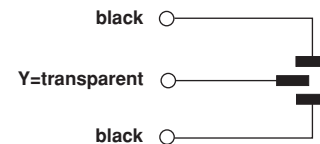
AC 275V, 50/60Hz ⇒ X1

AC 250V, 50/60Hz ⇒ Y2

Dimensions in mm



### CIRCUIT DIAGRAM:



| CAPACITANCE<br>X-Value | CAPACITANCE<br>Y-Value | DIMENSIONS<br>D x L<br>(mm) | WEIGHT<br>(g) | QUANTITY<br>PACKAGE<br>(pcs) | ORDERING<br>CODE* |
|------------------------|------------------------|-----------------------------|---------------|------------------------------|-------------------|
| 0.022 μFX1             | 2 x 2700 pFY2          | 12 x 27                     | 6.5           | 500                          | F1740-322-3511    |
| 0.027 μFX1             | 2 x 2700 pFY2          | 12 x 27                     | 6.6           | 500                          | F1740-327-3511    |
| 0.033 μFX1             | 2 x 2700 pFY2          | 12 x 35                     | 7.0           | 500                          | F1740-333-3511    |
| 0.047 μFX1             | 2 x 2700 pFY2          | 12 x 35                     | 7.6           | 500                          | F1740-347-3511    |
| 0.068 μFX1             | 2 x 2700 pFY2          | 14 x 35                     | 10.0          | 400                          | F1740-368-3511    |
| 0.1 μFX1               | 2 x 2700 pFY2          | 16 x 35                     | 13.5          | 300                          | F1740-410-3511    |
| 0.15 μFX1              | 2 x 2700 pFY2          | 18 x 35                     | 16.6          | 300                          | F1740-415-3511    |
| 0.22 μFX1              | 2 x 2700 pFY2          | 20 x 35                     | 22.5          | 250                          | F1740-422-3511    |
| 0.27 μFX1              | 2 x 2700 pFY2          | 20 x 50                     | 26.1          | 200                          | F1740-427-3511    |
| 0.33 μFX1              | 2 x 2700 pFY2          | 20 x 50                     | 28.1          | 200                          | F1740-433-3511    |
| 0.47 μFX1              | 2 x 2700 pFY2          | 25 x 50                     | 43.5          | 150                          | F1740-447-3511    |
| 0.027 μFX1             | 2 x 4700 pFY2          | 12 x 35                     | 7.7           | 500                          | F1740-327-3581    |
| 0.033 μFX1             | 2 x 4700 pFY2          | 12 x 35                     | 7.7           | 500                          | F1740-333-3581    |
| 0.047 μFX1             | 2 x 4700 pFY2          | 14 x 35                     | 9.6           | 400                          | F1740-347-3581    |
| 0.068 μFX1             | 2 x 4700 pFY2          | 14 x 35                     | 10.1          | 400                          | F1740-368-3581    |
| 0.1 μFX1               | 2 x 4700 pFY2          | 16 x 35                     | 13.0          | 300                          | F1740-410-3581    |
| 0.15 μFX1              | 2 x 4700 pFY2          | 18 x 35                     | 16.6          | 300                          | F1740-415-3581    |
| 0.22 μFX1              | 2 x 4700 pFY2          | 20 x 35                     | 21.4          | 250                          | F1740-422-3581    |
| 0.27 μFX1              | 2 x 4700 pFY2          | 20 x 50                     | 26.3          | 200                          | F1740-427-3581    |
| 0.33 μFX1              | 2 x 4700 pFY2          | 20 x 50                     | 28.1          | 200                          | F1740-433-3581    |
| 0.47 μFX1              | 2 x 4700 pFY2          | 25 x 50                     | 43.5          | 150                          | F1740-447-3581    |

\*With mark, the ordering code is F1740 - . . . - 34..

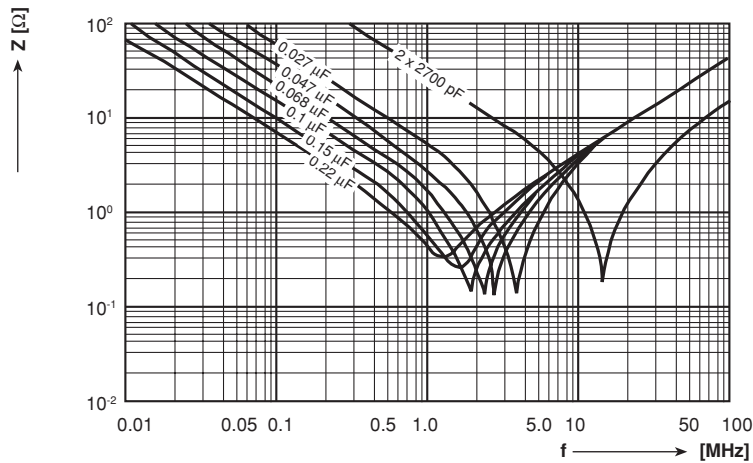


# F1740-3511 and F1740-3581

Supp. Caps (Bi-polar) Class X1/Y2 AC 275V/250V Vishay Roederstein

## APPROVALS

| COUNTRY  | SPECIFICATION                           | ELECTRICAL VALUES   | APPROVAL REFERENCE | APPROVAL MARK   |
|--|---|---|--------------------|-----------------|
| U.S.A.<br>(for AC 250V)  | UL 1283                                 | 0.022 $\mu$ FX - 0.47 $\mu$ FX<br>+ 2 x 2700 pFY - 2 x 0.027 $\mu$ FY     | E 76297            |                 |
| <b>CB TEST-CERTIFICATE</b>   |   | 0.022 $\mu$ FX1 - 0.47 $\mu$ FX<br>+ 2 x 2700 pFY2 - 2 x 0.027 $\mu$ FY2  | CH 676-A1          |                 |
| Switzerland<br>(for AC 275/250V)   | EN 132 400<br>IEC 60384-14, 2nd edition | 0.022 $\mu$ FX1 - 0.47 $\mu$ FX1<br>+ 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<br>(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) of F1740-3511/3411 as a function of frequency (f)  
at  $T_a = 20^\circ\text{C}$  (average).

Measurement with lead length 50mm.