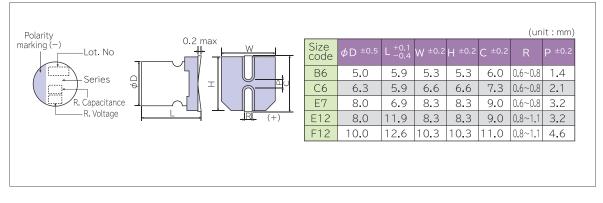
Surface mount type

LowESR(9 to 30 mΩ)
Large capacitance (2,700 μF max.)
RoHS compliance, Halogen free

Specifications

| Items | Specifications | | | | | | | |
|-----------------------------------|---|--------------|---|--|-----|--|--|--|
| Size code | B6 | C6 | E7 E12 | | F12 | | | |
| Category temperature range | -55 to +105 ℃ | | | | | | | |
| Rated voltage range | 2.5 to 16 V.DC | | | | | | | |
| Rated capacitance range | ed capacitance range 39 to 180 μ F 68 to 560 μ F 120 to 680 μ F 270 to 1500 μ F 270 | | 2700 μF | | | | | |
| Capacitance tolerance | ±20 %(120 Hz/+20 ℃) | | | | | | | |
| Leakage current | Please see the attached characteristics list | | | | | | | |
| Dissipation factor(tan δ) | Please see the attached characteristics list | | | | | | | |
| Endurance | 105 °C, 2,000 h, rated voltage appliedΔC/CWithin±20 % of the initial value | | | | | | | |
| | | | | | | | | |
| | DF ≦1.5 times of the initial limit | | | | | | | |
| | LC | nitial limit | | | | | | |
| Damp heat (Steady State) | 60 °C, 90 to 95 %RH, 1,000 h, No-applied voltage | | | | | | | |
| | /alue | | | | | | | |
| | DF | ≦1.5 times | ≦1.5 times of the initial limit | | | | | |
| | LC | Within the | Within the initial limit (after voltage processing) | | | | | |

Marking and dimensions



Characteristics list

| | Rated | Rated | Case size (mm) | | Cizo | Specifications | | | Standard(Reel size∶¢ 380) | | | |
|--------|-------------------|---------------------|----------------|---------|--------------|---------------------------------------|----------------------------------|---------------------------------|---------------------------|---------------|--------------|------------------------------|
| Series | voltage (V.DC) | capacitance (μF) | φD | | Size code | Rated ripple current (mArms) ※1 | ES 100 kHz/20 °C (mΩ max.) | SR 300 kHz/20 ℃ (mΩ max.) | tan δ %2 | LC ※3 (µA) | Part number | Min. Packaging Q'ty (pcs) |
| | 2.5 | | 5.0 | 5.9 | | 1970 | 30 | (ms2 max.) 26 | 0.12 | 300.0 | 2R5SVPC180M | 1500 |
| | | 180 | 5.0 | 5.9 | В6 | 2200 | 24 | 20 | 0.12 | 300.0 | 2R5SVPC180MY | 1500 |
| | | | 5.0 | 5.9 | | 2800 | 19 | 16 | 0.12 | 300.0 | 2R5SVPC180MV | 1500 |
| | | | 6.3 | 5.9 | - C6 | 2410 | 25 | 22 | 0.12 | 300.0 | 2R5SVPC390M | 1000 |
| | | 390 | 6.3 | 5.9 | | 3160 | 15 | 13 | 0.12 | 300.0 | 2R5SVPC390MV | 1000 |
| | | 560 | 6.3 | 5.9 | C6 | 3500 | 16 | 14 | 0.12 | 300.0 | 2R5SVPC560M | 1000 |
| | | 680 | 8.0 | 6.9 | E7 | 3370 | 20 | 17 | 0.12 | 500.0 | 2R5SVPC680M | 1000 |
| | | 820 | 8.0 | 11.9 | E12 | 5380 | 9 | 8 | 0.15 | 500.0 | 2R5SVPC820M | 400 |
| | | 1500 | 8.0 | 11.9 | | 5150 | 10 | 9 | 0.15 | 750.0 | 2R5SVPC1500M | 400 |
| | | 2700 | 10.0 | 12.6 | F12 | 5070 | 12 | 10 | 0.15 | 1350.0 | 2R5SVPC2700M | 400 |
| | | | 5.0 | 5.9 | B6 | 1970 | 30 | 26 | 0.12 | 300.0 | 4SVPC150M | 1500 |
| | | 150 | 5.0 | 5.9 | | 2240 | 23 | 20 | 0.12 | 300.0 | 4SVPC150MY | 1500 |
| | | | 5.0 | 5.9 | | 2730 | 20 | 17 | 0.12 | 300.0 | 4SVPC150MV | 1500 |
| | | | 6.3 | 5.9 | | 2320 | 27 | 23 | 0.12 | 300.0 | 4SVPC330M | 1000 |
| | 4.0 | 330 | 6.3 | 5.9 | C6 | 2630 | 21 | 18 | 0.12 | 300.0 | 4SVPC330MY | 1000 |
| | 4.0 | | 6.3 | 5.9 | | 3160 | 15 | 13 | 0.12 | 300.0 | 4SVPC330MV | 1000 |
| | | 540 | 8.0 | 6.9 | E7 | 3220 | 22 | 19 | 0.12 | 500.0 | 4SVPC560M | 1000 |
| | | 560 | 8.0 | 11.9 | E12 | 5380 | 9 | 8 | 0.15 | 500.0 | 4SVPC560MX | 400 |
| | | 1200 | 8.0 | 11.9 | E12 | 4700 | 12 | 10 | 0.15 | 960.0 | 4SVPC1200M | 400 |
| | | 1500 | 8.0 | 11.9 | E12 | 4700 | 12 | 10 | 0.15 | 1200.0 | 4SVPC1500M | 400 |
| SVPC | 6.3 | 100 | 5.0 | 5.9 | В6 | 1970 | 30 | 26 | 0.12 | 300.0 | 6SVPC100M | 1500 |
| SVPC | | | 5.0 | 5.9 | | 2150 | 25 | 21 | 0.12 | 300.0 | 6SVPC100MY | 1500 |
| | | 120 | 5.0 | 5.9 | | 2660 | 21 | 18 | 0.12 | 300.0 | 6SVPC120MV | 1500 |
| | | 220 | 6.3 | 6.3 5.9 | C6 | 2320 | 27 | 23 | 0.12 | 300.0 | 6SVPC220M | 1000 |
| | | 220 | 6.3 | 5.9 | | 3160 | 15 | 13 | 0.12 | 300.0 | 6SVPC220MV | 1000 |
| | | 330 | 6.3 | 5.9 | | 3390 | 17 | 15 | 0.12 | 415.0 | 6SVPC330M | 1000 |
| | | 390 | 8.0 | 6.9 | E7 | 3220 | 22 | 19 | 0.12 | 491.0 | 6SVPC390M | 1000 |
| | | 820 | 8.0 | 11.9 | E12 | 4700 | 12 | 10 | 0.15 | 1033.0 | 6SVPC820M | 400 |
| | 10 | 68 | 5.0 | 5.9 | B6 | 1970 | 30 | 26 | 0.12 | 300.0 | 10SVPC68M | 1500 |
| | | | 5.0 | 5.9 | | 2540 | 23 | 20 | 0.12 | 300.0 | 10SVPC68MV | 1500 |
| | | 120 | 6.3 | 5.9 | C6 | 2320 | 27 | 23 | 0.12 | 300.0 | 10SVPC120M | 1000 |
| | | | 6.3 | 5.9 | | 2600 | 22 | 19 | 0.12 | 300.0 | 10SVPC120MV | 1000 |
| | | 270 | 8.0 | 6.9 | E7 | 3220 | 22 | 19 | 0.12 | 500.0 | 10SVPC270M | 1000 |
| | | 330 | 8.0 | 6.9 | E7 | 3460 | 19 | 17 | 0.12 | 660.0 | 10SVPC330M | 1000 |
| | 16 | 39- | 5.0 | 5.9 | B6 | 1820 | 35 | 30 | 0.12 | 300.0 | 16SVPC39M | 1500 |
| | | | 5.0 | 5.9 | | 2350 | 27 | 23 | 0.12 | 300.0 | 16SVPC39MV | 1500 |
| | | 68- | 6.3 | 5.9 | C6 | 2200 | 30 | 26 | 0.12 | 300.0 | 16SVPC68M | 1000 |
| | | | 6.3 | 5.9 | | 2440 | 25 | 22 | 0.12 | 300.0 | 16SVPC68MV | 1000 |
| | | 100 | 6.3 | 5.9 | C6 | 2490 | 24 | 23 | 0.12 | 300.0 | 16SVPC100M | 1000 |
| | | 120 | 8.0 | 6.9 | E7 | 2900 | 27 | 23 | 0.12 | 500.0 | 16SVPC120M | 1000 |
| | | 150 | 8.0 | 6.9 | E7 | 3220 | 22 | 21 | 0.12 | 500.0 | 16SVPC150M | 1000 |
| | | 270 | 8.0 | 11.9 | E12 | 4070 | 16 | 14 | 0.15 | 864.0 | 16SVPC270M | 400 |

Frequency Correction factor for ripple currentt

| | 5 | 1.1 | | |
|-------------|------------------|------------------|--------------------|---------------------|
| Frequency | 120 Hz≦ f <1 kHz | 1 kHz≦ f <10 kHz | 10 kHz≦ f <100 kHz | 100 kHz≦ f ≦500 kHz |
| Coefficient | 0.05 | 0.3 | 0.7 | 1 |