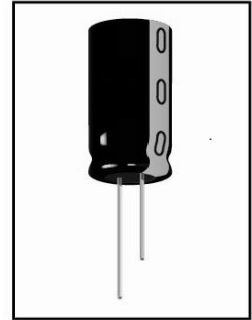




SRL Series 2.7V -40~+65°C

■ Features

- Lower ESR
- Low temperature
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



| Items | Characteristics | | |
|------------------------------|--|--------------------|--|
| Rated Voltage | 2.7V | | |
| Operating Temperature Range | -40 ~+65°C | (-40 ~+85°C @2.3V) | |
| Surge Voltage | 2.85V | | |
| Capacitance Range | 1~100 F | | |
| Capacitance Tolerance (25°C) | -10~+30% | | |
| Temperature Characteristics | The specifications shall be met at category temperature range from -40°C to 65°C | Capacitance range | Within 30% of the value at 25°C |
| | | ESR | Less than 2 times of the initial specified value |
| High Temperature Loaded | The specifications shall be met after rated voltage applied at 65°C for 1000 hours | Capacitance range | Within 30% of the initial value |
| | | ESR | Less than 2 times of the initial specified value |
| High Temperature Storage | The specifications shall be met after storage at 65°C for 1000 hours | Capacitance range | Within 30% of the initial value |
| | | ESR | Less than 2 times of the initial specified value |
| Cycle Life | The specifications shall be met after 500,000 cycles at 25°C, cycle of charge/discharge from V_R | Capacitance range | Within 30% of the initial value |
| | | ESR | Less than 2 times of the initial specified value |

Dimensions

mm

| | | | | | | | |
|--|----------|-----|-----|----|------|----|----|
| | ΦD | 8 | 10 | 12 | 12.5 | 16 | 18 |
| | p | 3.5 | 5.0 | | 7.5 | | |
| | Φd | 0.6 | 0.6 | | 0.8 | | |
| | α | 1.5 | 2.0 | | | | |



SRL Series 2.7V -40~+65°C

Standard Ratings for SRL Series

| U _R (Surge Voltage) Code | Rated Cap. 25°C, (F) | Impedance | | Leakage Current (72hrs) (mA) | Size ΦDxL (mm) | Weight (g) | P/N |
|---|----------------------------|---------------------------|-------------------------------------|------------------------------------|----------------------|---------------|------------------------|
| | | ESR _{DC} (mΩ) | ESR _{AC} (1KHz) (mΩ) | | | | |
| (v) | (F) | (mΩ) | (mΩ) | (mA) | (mm) | (g) | - |
| 2.7 (2.85) 2R7 | 1 | 400 | 200 | 0.008 | 8 x 14 | 0.8 | SCCDLR2R7105QRH080014E |
| | 2 | 250 | 130 | 0.010 | 8 x 14 | 1 | SCCDLR2R7205QRH080014E |
| | 3 | 150 | 80 | 0.012 | 8 x 20 | 1.4 | SCCDLR2R7305QRH080020E |
| | 3.3 | 150 | 80 | 0.014 | 8 x 20 | 1.5 | SCCDLR2R7335QRH080020E |
| | 5 | 130 | 70 | 0.016 | 10 x 20 | 2.1 | SCCDLR2R7505QRH100020E |
| | 7 | 80 | 55 | 0.020 | 10 x 25 | 2.3 | SCCDLR2R7705QRH100025E |
| | 10 | 60 | 40 | 0.030 | 10 x 30 | 3.2 | SCCDLR2R7106QRH100030E |
| | 10 | 60 | 40 | 0.030 | 12.5 x 25 | 3.5 | SCCDLR2R7106QRH125025E |
| | 25 | 35 | 25 | 0.080 | 16 x 25 | 7 | SCCDLR2R7256QRH160025E |
| | 50 | 22 | 15 | 0.140 | 18 x 40 | 12.8 | SCCDLR2R7506QRH180040E |
| | 60 | 22 | 15 | 0.140 | 18 x 40 | 13 | SCCDLR2R7606QRH180040E |
| | 70 | 20 | 14 | 0.160 | 18 x 50 | 15 | SCCDLR2R7706QRH180050E |
| | 100 | 18 | 12 | 0.180 | 18 x 60 | 20 | SCCDLR2R7107QRH180060E |

All product specifications are subject to change without notice (2019E1)