

■ Features

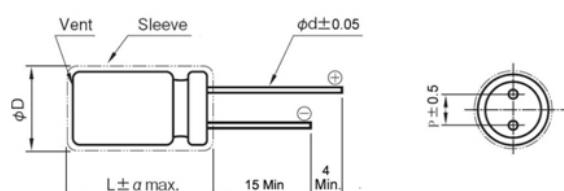
- High voltage
- Wider temperature range
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



Items	Characteristics		
Rated Voltage	3 V		
Operating Temperature Range	-40 ~ +65°C (-40 ~ +85°C @2.5V)		
Surge Voltage	3.2V		
Capacitance Range	3~50 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 to $1/2V_R$	Capacitance range	Within 30% of the initial value
		ESR	Less than 2 times of the initial specified value

Dimensions

mm

	<table border="1"> <tr> <td>ΦD</td><td>8</td><td>10</td><td>16</td><td>18</td></tr> <tr> <td>p</td><td>3.5</td><td>5.0</td><td>7.5</td><td></td></tr> <tr> <td>Φd</td><td>0.6</td><td>0.6</td><td>0.8</td><td></td></tr> <tr> <td>a</td><td>1.5</td><td>2.0</td><td></td><td></td></tr> </table>	ΦD	8	10	16	18	p	3.5	5.0	7.5		Φd	0.6	0.6	0.8		a	1.5	2.0		
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Standard Ratings for SRE Series

U _R (Surge Voltage) Code	Rated Cap. 25°C,	Impedance		Leakage Current (72hrs)	Size ΦDxL	Weight (g)	P/N
		ESR _{DC}	ESR _{AC} (1KHz)				
(v)	(F)	(mΩ)	(mΩ)	(mA)	(mm)	(g)	-
3 (3.2) 3R0	3	150	80	0.013	8 x 20	1.4	SCCDER3R0305QRH080020E
	5	130	70	0.018	10 x 20	2.1	SCCDER3R0505QRH100020E
	7	80	55	0.025	10 x 25	2.3	SCCDER3R0705QRH100025E
	10	60	40	0.040	10 x 30	3.2	SCCDER3R0106QRH100030E
	25	35	25	0.080	16 x 25	7	SCCDER3R0256QRH160025E
	50	22	15	0.150	18 x 40	12.8	SCCDER3R0506QRH180040E