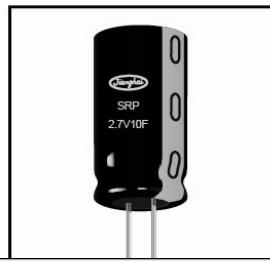


■ Features

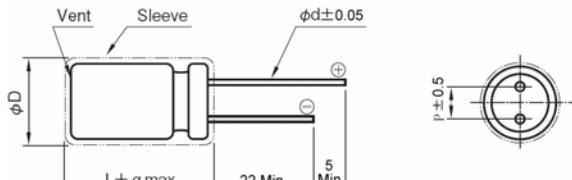
- Lower ESR ,
- Wider temperature range
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



Items	Characteristics				
Rated Voltage	2.7V				
Operating Temperature Range	-40 ~+65°C				
Surge Voltage	2.85V				
Capacitance Range	1~70 F				
Capacitance Tolerance (20°C)	-10~+30%				
Temperature Characteristics	<p>The specifications shall be met at category temperature range from -40°C to 65°C</p> <table border="1"> <tr> <td>Capacitance range</td><td>Within 30% of the value at 20°C</td></tr> <tr> <td>ESR</td><td>Less than 400% of the value at 20°C</td></tr> </table>	Capacitance range	Within 30% of the value at 20°C	ESR	Less than 400% of the value at 20°C
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ESR	Less than 400% of the value at 20°C				
High Temperature Loaded	<p>The specifications shall be met after rated voltage applied at</p> <table border="1"> <tr> <td>Capacitance range</td><td>Within 30% of the initial value</td></tr> <tr> <td>ESR</td><td>Less than 400% of the initial value</td></tr> </table>	Capacitance range	Within 30% of the initial value	ESR	Less than 400% of the initial value
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ESR	Less than 400% of the initial value				
High Temperature Storage	<p>The specifications shall be met after storage at 70 °C for 1000 hours</p> <table border="1"> <tr> <td>Capacitance range</td><td>Within 30% of the initial value</td></tr> <tr> <td>ESR</td><td>Less than 400% of the initial value</td></tr> </table>	Capacitance range	Within 30% of the initial value	ESR	Less than 400% of the initial value
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ESR	Less than 400% of the initial value				
Cycle Life	<p>The specifications shall be met after 500,000 cycles at 25 °C , cycle of charge/discharge from V_R to $1/2V_R$</p> <table border="1"> <tr> <td>Capacitance range</td><td>Within 30% of the initial value</td></tr> <tr> <td>ESR</td><td>Less than 400% of the initial value</td></tr> </table>	Capacitance range	Within 30% of the initial value	ESR	Less than 400% of the initial value
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Dimensions

mm

	<table border="1"> <tr> <td>ΦD</td><td>8</td><td>10</td><td>12</td><td>12.5</td><td>16</td><td>18</td></tr> <tr> <td>p</td><td>3.5</td><td></td><td>5.0</td><td></td><td>7.5</td><td></td></tr> <tr> <td>Φd</td><td>0.6</td><td></td><td>0.6</td><td></td><td>0.8</td><td></td></tr> <tr> <td>a</td><td>1.5</td><td></td><td>2.0</td><td></td><td></td><td></td></tr> </table>	ΦD	8	10	12	12.5	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 SRP Series

U _R (Surge Voltage) Code	Rated Cap. 25°C, (F)	Impedance		Weight (g)	Leakage Current (72hrs) (mA)	Size ΦDxL (mm)	P/N
		ESR _{DC} (mΩ)	ESR _{AC} (1KHz) (mΩ)				
2.7 (2.85) 2R7	1	400	200	1.1	0.008	8 x 14	SCCDPR2R7105QRH080014E
	2	250	130	1.2	0.010	8 x 14	SCCDPR2R7205QRH080014E
	3	150	80	1.4	0.012	8 x 20	SCCDPR2R7305QRH080020E
	3.3	150	80	1.5	0.014	8 x 20	SCCDPR2R7335QRH100020E
	5	130	70	2	0.016	10 x 20	SCCDPR2R7505QRH100020E
	7	80	55	2.6	0.020	10 x 25	SCCDPR2R7705QRH100025E
	10	60	40	3.5	0.030	10 x 30	SCCDPR2R7106QRH100030E
	10	60	40	3.5	0.030	12.5 x 25	SCCDPR2R7106QRH125025E
	25	35	25	8.5	0.080	16 x 25	SCCDPR2R7256QRH160025E
	50	22	15	14	0.140	18 x 40	SCCDPR2R7506QRH180040E
	70	20	14	18	0.160	18 x 45	SCCDPR2R7706QRH180050E