

# SRP RP SERIES



## ■ 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	The specifications shall be met at category temperature range from -40°C to 65°C	Capacitance range	Within 30% of the value at 20°C
		ESR	Less than 400% of the value at 20°C
High Temperature Loaded	The specifications shall be met after rated voltage applied at	Capacitance range	Within 30% of the initial value
		ESR	Less than 400% of the initial value
High Temperature Storage	The specifications shall be met after storage at 70°C for 1000 hours	Capacitance range	Within 30% of the initial value
		ESR	Less than 400% of the initial 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 400% of the initial value

## Dimensions

mm

$\Phi D$	8	10	12	12.5	16	18
p	3.5	5.0		7.5		
$\Phi d$	0.6	0.6		0.8		
a	1.5	2.0				

## Standard Ratings for SRP Series

$U_R$ (Surge Voltage) Code	Rated Cap. 25°C, (F)	Impedance		Weight (g)	Leakage Current (72hrs) (mA)	Size $\Phi D \times L$ (mm)	P/N
		ESR <sub>DC</sub> (mΩ)	ESR <sub>AC</sub> (1KHz) (mΩ)				
(v)	(F)	(mΩ)	(mΩ)	(g)	(mA)	(mm)	-
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	