

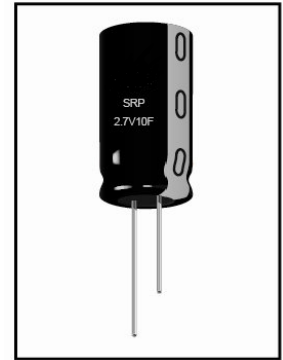
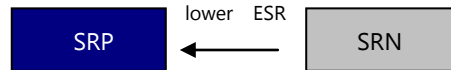
Super/Gold Capacitor - Radial Type



SRP 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℃		
Surge Voltage	2.85V		
Capacitance Range	1~70 F		
Capacitance Tolerance (20℃)	-20~+20%/-10~+30%		
Temperature Characteristics	The specifications shall be met at category temperature range from -40℃ to 65℃	Capacitance range	Within 30% of the value at 20℃
		ESR	Less than 400% of the value at 20℃
High Temperature Loaded	The specifications shall be met after rated voltage applied at 65℃ for 1000 hours	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℃ 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℃, 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

Side view of a capacitor. Dimensions include: Vent, Sleeve, $\phi d \pm 0.05$, ϕD , $L + a \text{ max.}$, 22 Min., 5 Min.

Top view of a capacitor. Dimension includes: $P \pm 0.5$.

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				

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				

Standard Ratings for SRP Series

U _R (Surge Voltage) Code	Rated Cap. 25℃, (F)	Impedance		Max. Peak Current 1 Sec. (A)	Leakage Current (72hrs) (mA)	Size Φ D×L (mm)	P/N
		ESR _{DC} (mΩ)	ESR _{AC} (1KHz) (mΩ)				
(v)	(F)	(mΩ)	(mΩ)	(A)	(mA)	(mm)	-
2.7 (2.85) 2R7	1	500	300	0.90	0.008	8 x 13	SRP2R7105*080013
	2	350	200	1.58	0.010	8 x 16	SRP2R7205*080016
	3	300	160	2.13	0.012	8 x 20	SRP2R7305*080020
	3.3	250	150	2.44	0.014	10 x 20	SRP2R7335*080020
	5	160	100	3.75	0.016	10 x 20	SRP2R7505*080020
	7	120	85	5.13	0.020	10 x 25	SRP2R7705*080025
	10	90	60	7.10	0.030	10 x 30	SRP2R7106*100030
	10	90	60	7.10	0.030	12.5 x 25	SRP2R7106*125025
	15	75	50	9.53	0.035	12.5 x 30	SRP2R7156*125030
	20	50	35	13.5	0.050	16 x 25	SRP2R7206*160025
	25	40	30	16.8	0.080	16 x 30	SRP2R7256*160030
	50	30	20	27.0	0.140	18 x 40	SRP2R7506*180040
	70	25	15	34.4	0.160	18 x 45	SRP2R7706*180045