

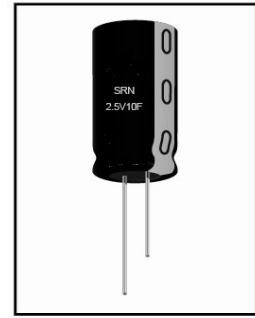
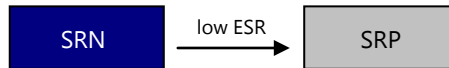
Super/Gold Capacitor - Radial Type



SRN Series

■ Features

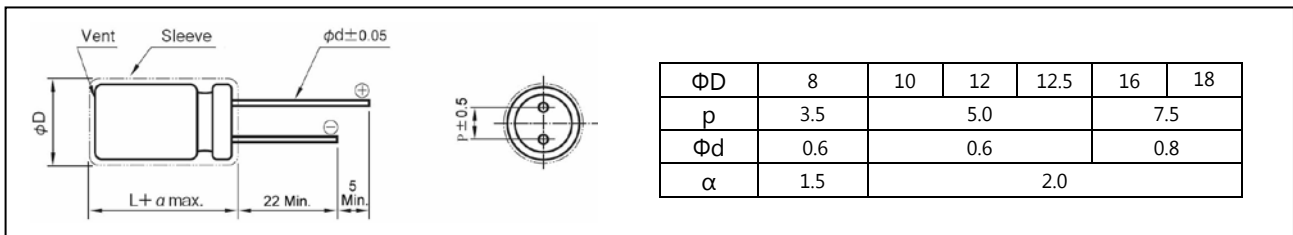
- Standard product
- Quick charge & discharge
- RoHS compliant
- Consumer electronic
- Portable power tools
- DC-DC converters



Items	Characteristics		
Rated Voltage	2.5V		
Operating Temperature Range	-25 ~ +70°C		
Surge Voltage	2.7V		
Capacitance Range	1~70 F		
Capacitance Tolerance (20°C)	-20~+20%/-10~+30%		
Temperature Characteristics	The specifications shall be met at category temperature range from -25°C to 70°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 70°C 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°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



Standard Ratings for SRN Series

U_R (Surge Voltage) Code	Rated Cap. 25°C, (F)	Impedance		Max. Peak Current 1 Sec. (A)	Leakage Current (72hrs) (mA)	Size ΦDxL (mm)	P/N
		ESR _{DC} (mΩ)	ESR _{AC} (1KHz) (mΩ)				
(v)	(F)	(mΩ)	(mΩ)	(A)	(mA)	(mm)	-
2.5 (2.7) 2R5	1	650	450	0.75	0.008	8 x 13	SRN2R5105*080013
	2	450	300	1.31	0.010	8 x 16	SRN2R5205*080016
	3	330	220	1.88	0.012	8 x 20	SRN2R5305*080020
	3.3	300	200	2.07	0.014	10 x 20	SRN2R5335*100020
	5	180	120	3.28	0.016	10 x 20	SRN2R5505*100020
	7	150	100	4.26	0.020	10 x 25	SRN2R5705*080025
	10	120	80	5.68	0.030	10 x 30	SRN2R5106*100030
	10	120	80	5.68	0.030	12.5 x 25	SRN2R5106*125025
	15	90	55	7.97	0.035	12.5 x 30	SRN2R5156*125030
	20	70	45	10.4	0.050	16 x 25	SRN2R5206*160025
	25	60	40	12.5	0.080	16 x 30	SRN2R5256*160030
	50	40	30	20.8	0.140	18 x 40	SRN2R5506*180040
70	35	25	25.4	0.160	18 x 45	SRN2R5706*180045	