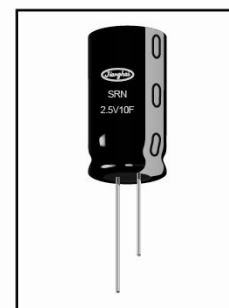


## Features

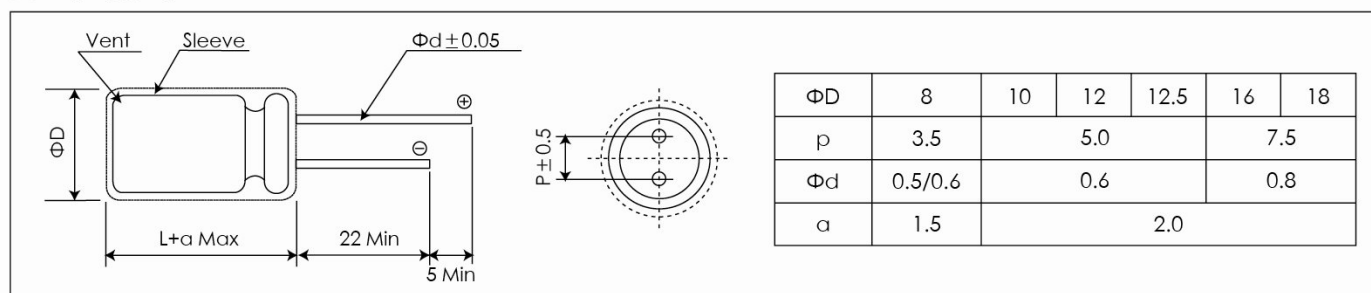
- Standard product
- Quick charge & discharge
- RoHS compliant
- Consumer electronic
- Portable power tools
- DC-DC converters



Items	Characteristics		
Rated Voltage	2.5V		
Operating Temperature Range	-25 ~+70°C		
Surge Voltage	2.7V		
Capacitance Range	1~70F		
Capacitance Tolerance (20°C)	-20~+20%/-10~+30%		
Temperature Characteristics	The specifications shall be met at category temperature range form -25°C to 70°C	Capacitance range	Within 30% of the initial value
		ESR	Less than 400% of specified value
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 200% of specified 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 200% of 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 200% of specified value

## Dimensions

mm



## Standard Ratings for SRN Series

$U_R$ (Surge Voltage) Code	Rated Capacitance 25°C	Impedance		Max. Peak Current 1 Sec.	Leakage Current (72hrs)	Size ΦD×L	P/N
		ESR <sub>DC</sub>	ESR <sub>AC</sub> 1KHz				
(V)	(F)	(mΩ)	(mΩ)	(A)	(mA)	(mm)	-
2.5 (2.7)	1	650	450	0.75	0.008	8×13	SCRRN2R5105MRH080013E
	2	450	300	1.31	0.010	8×16	SCRRN2R5205MRH080016E
	3	330	220	1.88	0.012	8×20	SCRRN2R5305MRH080020E
	3.3	330	220	1.97	0.013	8×20	SCRRN2R5335MRH080020E
	3.3	300	200	2.07	0.014	10×20	SCRRN2R5335MRH100020E
	5	180	120	3.28	0.016	10×20	SCRRN2R5505MRH100020E
	7	150	100	4.26	0.020	10×25	SCRRN2R5705MRH100025E
	10	120	80	5.68	0.030	10×30	SCRRN2R5106MRH100030E
	10	120	80	5.68	0.030	12.5×25	SCRRN2R5106MRH125025E
	15	90	55	7.97	0.035	12.5×30	SCRRN2R5156MRH125030E
2R5	20	70	45	10.4	0.050	16×25	SCRRN2R5206MRH160025E
	25	60	40	12.5	0.080	16×30	SCRRN2R5256MRH160030E
	50	40	30	20.8	0.140	18×40	SCRRN2R5506MRH180040E
	70	35	25	25.4	0.160	18×45	SCRRN2R5706MRH180045E