



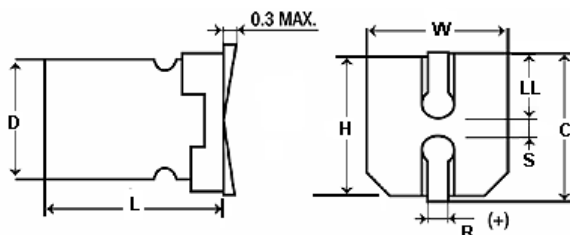
FEATURES

Small Size - High Temperature - Lead Free Leads

APPLICATIONS

Bypass - Coupling - Filtering - De-coupling

Operating Temperature Range		-40°C to +125°C				
Capacitance Tolerance		+20% at 120 Hz, 20°C				
Surge voltage	WVDC	10	16	25	35	50
	SVDC	13	20	32	44	63
Dissipation Factor	WVDC	10	16	25	35	50
	tan δ	.26	.20	.18	.14	.12
Leakage current		2 Minutes				
		.01CV or 3uA, Whichever is greater				
Low temperature stability Impedance ratio (120 Hz)	Rated WVDC	10	16	25	35	50
	-25°C to +20°C	2	2	2	2	2
	-40°C to +20°C	3	3	3	3	3
Load Life	1000 hours (2000 hours for 8, 10mm) at 125°C with rated WVDC					
	Capacitance change	≤20% of initial measured value				
	Dissipation factor	≤200% of maximum specified value				
	Leakage current	Not more than the specified value				
Shelf Life	1000 hours at 125°C with no voltage applied					
	Capacitance change	≤20% of initial measured value				
	Dissipation factor	≤200% of maximum specified value				
	Leakage current	Not more than the specified value				
Resistance to soldering heat	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature					
	Capacitance change	≤10% of initial measured value				
	Dissipation factor	≤100% of maximum specified value				
	Leakage current	≤100% of maximum specified value				
Ripple Current Multipliers	Frequency (Hz)					
	120	1k	10k	100k		
	0.70	0.80	0.90	1.00		



D ±0.5	L ±0.3	W ±0.2	H ±0.2	C max	R	LL ±0.2	S ±0.2
6.3	7.7	6.6	7.1	7.8	0.65±0.1	1.8	-
8	6.2	8.3	8.8	9.5	0.65±0.1	2.2	-
8	10	8.3	8.6	10	0.90±0.2	3.1	-
10	10	10.3	10.6	12	0.90±0.2	4.6	-

SJR

+125°C High temperature,
1000 to 1500 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +125°C	Dims DxL (mm)
47	25	SJR476M025	5.08	70	6.3x7.7
47	35	SJR476M035	3.95	75	8x6.2
47	50	SJR476M050	3.39	130	8x10.2
100	25	SJR107M025	2.39	75	8x6.2
100	35	SJR107M035	1.86	130	8x10.2
100	50	SJR107M050	1.59	180	10x10.2
150	10	SJR157M010	2.3	70	6.3x7.7
150	10	SJR157M010B	2.3	75	8x6.2
150	25	SJR157M025	1.59	130	8x10.2
150	35	SJR157M035	1.24	180	10x10.2
220	16	SJR227M016	1.21	130	8x10.2
220	35	SJR227M035	0.84	180	10x10.2
330	16	SJR337M016	0.8	180	8x10.2
330	25	SJR337M025	0.72	180	10x10.2
470	16	SJR477M016	0.56	180	10x10.2
680	10	SJR687M010	0.51	180	10x10.2
1000	10	SJR108M010	0.34	180	10x10.2