



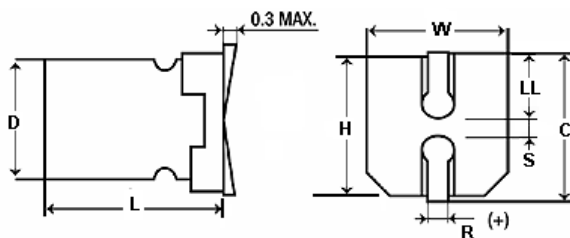
### FEATURES

Small Size - High Temperature - Lead Free Leads

### APPLICATIONS

Bypass - Coupling - Filtering - De-coupling

<b>Operating Temperature Range</b>		<b>-40°C to +125°C</b>				
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>				
<b>Surge voltage</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>
	<b>SVDC</b>	13	20	32	44	63
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>
	<b>tan δ</b>	.26	.20	.18	.14	.12
<b>Leakage current</b>		<b>2 Minutes</b>				
		.01CV or 3uA, Whichever is greater				
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>Rated WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>
	<b>-25°C to +20°C</b>	2	2	2	2	2
	<b>-40°C to +20°C</b>	3	3	3	3	3
<b>Load Life</b>	<b>1000 hours (2000 hours for 8, 10mm) at 125°C with rated WVDC</b>					
	<b>Capacitance change</b>	≤20% of initial measured value				
	<b>Dissipation factor</b>	≤200% of maximum specified value				
	<b>Leakage current</b>	Not more than the specified value				
<b>Shelf Life</b>	<b>1000 hours at 125°C with no voltage applied</b>					
	<b>Capacitance change</b>	≤20% of initial measured value				
	<b>Dissipation factor</b>	≤200% of maximum specified value				
	<b>Leakage current</b>	Not more than the specified value				
<b>Resistance to soldering heat</b>	<b>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</b>					
	<b>Capacitance change</b>	≤10% of initial measured value				
	<b>Dissipation factor</b>	≤100% of maximum specified value				
	<b>Leakage current</b>	≤100% of maximum specified value				
<b>Ripple Current Multipliers</b>	<b>Frequency (Hz)</b>					
	<b>120</b>	<b>1k</b>	<b>10k</b>	<b>100k</b>		
	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	<a href="#">SJR476M025</a>	5.08	70	6.3x7.7
47	35	<a href="#">SJR476M035</a>	3.95	75	8x6.2
47	50	<a href="#">SJR476M050</a>	3.39	130	8x10.2
100	25	<a href="#">SJR107M025</a>	2.39	75	8x6.2
100	35	<a href="#">SJR107M035</a>	1.86	130	8x10.2
100	50	<a href="#">SJR107M050</a>	1.59	180	10x10.2
150	10	<a href="#">SJR157M010</a>	2.3	70	6.3x7.7
150	10	<a href="#">SJR157M010B</a>	2.3	75	8x6.2
150	25	<a href="#">SJR157M025</a>	1.59	130	8x10.2
150	35	<a href="#">SJR157M035</a>	1.24	180	10x10.2
220	16	<a href="#">SJR227M016</a>	1.21	130	8x10.2
220	35	<a href="#">SJR227M035</a>	0.84	180	10x10.2
330	16	<a href="#">SJR337M016</a>	0.8	180	8x10.2
330	25	<a href="#">SJR337M025</a>	0.72	180	10x10.2
470	16	<a href="#">SJR477M016</a>	0.56	180	10x10.2
680	10	<a href="#">SJR687M010</a>	0.51	180	10x10.2
1000	10	<a href="#">SJR108M010</a>	0.34	180	10x10.2