

SJ Series 7 mm 105°C Long Life



Features

- ◆ Design for space-saving and high density insertion.
- ◆ Applications: VTR, car radio, car stereos, charger, etc.
- ◆ RoHS Compliant

Specifications

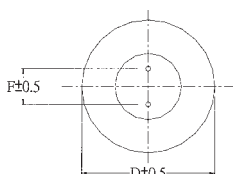
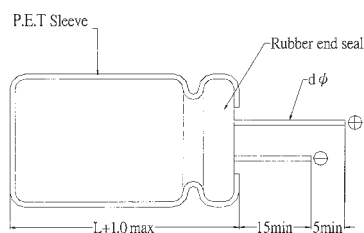
Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated Voltage Range	6.3 to 63 VDC							
Capacitance Range	0.1 to 220 μF							
Capacitance Tolerance	±20% (120Hz, +20°C)							
Leakage Current(+20°C, max)	I ≤ 0.01 CV or 3 (μA) After 1 minute, whichever is greater measured with rated working voltage applied.							
Dissipation Factor (tan δ , at 20°C , 120Hz)	Rated Voltage(VDC)	6.3	10	16	25	35	50	63
	D.F. (%)max.	22	20	16	14	12	10	9
Low Temperature Characteristics (at 120Hz)	Impedance ratio max							
	Rated Voltage(VDC)	6.3	10	16	25	35	50	63
	Z-25°C/Z+20°C	4	3	2	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	4	3	3	3
Endurance	Test conditions							
	Duration time	:2000 Hrs						
	Ambient temperature	:+105°C						
	Applied voltage	:Rated DC working voltage						
	After test requirement at +20°C							
	Capacitance change	: ≤ ±20% of the initial measured value (4V : ≤ ±30%)						
Dissipation factor	: ≤ 200% of the initial specified value							
Leakage current	: ≤ The initial specified value							
Shelf Life	Test conditions							
	Duration time	:1000 Hrs						
	Ambient temperature	:+105°C						
	Applied voltage	:None						
After test requirement at +20°C : Same limits as Endurance.								
Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.								

Radial

Multiplier for Ripple Current vs. Frequency

Frequency(Hz) \ CAP(μ F)	50(60)	120	400	1K	10K	50K-100K
CAP ≤ 10	0.80	1.00	1.30	1.45	1.65	1.7
10 < CAP ≤ 220	0.80	1.00	1.23	1.36	1.48	1.53

Diagram of Dimensions:(unit:mm)



D φ	4	5	6.3	8
F	1.5±0.5	2.0±0.5	2.5±0.5	3.5±0.5
d φ	0.45		0.5	

Case Size

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /105°C /120Hz)
6.3	22	4x7	28
6.3	33	4x7	32
6.3	33	5x7	35
6.3	47	5x7	47
6.3	68	5x7	50
6.3	100	6.3x7	75
6.3	220	8x7	92
10	15	4x7	26
10	22	4x7	32
10	33	5x7	48
10	47	5x7	51
10	68	6.3x7	68
10	100	6.3x7	80
10	100	8x7	95
10	220	8x7	130
16	6.8	4x7	19
16	10	4x7	28
16	15	4x7	30
16	22	4x7	35
16	22	5x7	42
16	33	5x7	50
16	47	6.3x7	67
16	68	6.3x7	70
16	68	8x7	78
16	100	8x7	110
25	4.7	4x7	17
25	6.8	4x7	19
25	10	4x7	28
25	10	5x7	33
25	15	5x7	35
25	22	5x7	43
25	22	6.3x7	45
25	33	6.3x7	62
25	47	8x7	75
25	68	8x7	80
25	100	8x7	115
35	4.7	4x7	22
35	6.8	4x7	24
35	6.8	5x7	28
35	10	5x7	35
35	15	5x7	38

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /105°C /120Hz)
35	15	6.3x7	45
35	22	6.3x7	60
35	33	6.3x7	50
35	33	8x7	68
35	47	8x7	80
35	68	8x7	85
50	0.1	4x7	2
50	0.15	4x7	2
50	0.22	4x7	3
50	0.33	4x7	4
50	0.47	4x7	5
50	0.68	4x7	7
50	1	4x7	10
50	1.5	4x7	13
50	2.2	4x7	20
50	3.3	4x7	26
50	4.7	4x7	27
50	4.7	5x7	29
50	6.8	5x7	32
50	6.8	6.3x7	33
50	10	6.3x7	38
50	15	6.3x7	52
50	22	8x7	63
50	33	8x7	78
63	0.1	4x7	2
63	0.15	4x7	2
63	0.22	4x7	3
63	0.33	4x7	4
63	0.47	4x7	6
63	0.68	4x7	7
63	1	4x7	12
63	1.5	4x7	14
63	2.2	4x7	20
63	3.3	5x7	28
63	4.7	5x7	29
63	4.7	6.3x7	33
63	6.8	6.3x7	35
63	10	6.3x7	40
63	15	8x7	55
63	22	8x7	65