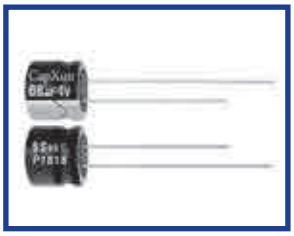
SS Series 5 mm 85℃



Features

- ◆ Design for space-saving and high density insertion.
- ◆ 4WV products are standardized for recent battery power source devices.
- ◆ Low price compared to Tantalum capacitors.
- ◆ Applications: VTR, car radio and commercial applications.
- ◆ RoHS Compliant

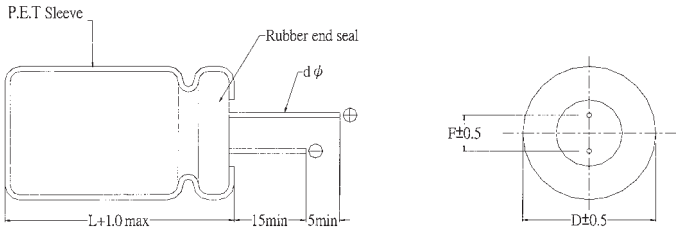
Specifications

Item	Performance Characteristics
Operating Temperature Range	-40 to +85℃
Rated Voltage Range	4 to 50 VDC
Capacitance Range	0.1 to 330 μF
Capacitance Tolerance	±20% (120Hz, +20℃)
Leakage Current(+20℃, max)	I≦0.01 CV or 3 (μA) After 1 minute, whichever is greater measured with rated working voltage applied.
Dissipation Factor (tanδ，at 20℃，120Hz)	Rated Voltage(VDC): 4 / 6.3 / 10 / 16 / 25 / 35 / 50 D.F. (%)max.: 35 / 24 / 20 / 16 / 14 / 12 / 10
Low Temperature Characteristics (at 120Hz)	Impedance ratio max Rated Voltage(VDC): 4 / 6.3 / 10 / 16 / 25 / 35 / 50 Z-25℃／Z+20℃: 7 / 4 / 3 / 2 / 2 / 2 / 2 Z-40℃／Z+20℃: 15 / 8 / 8 / 4 / 4 / 3 / 3
Endurance	Test conditions Duration time :1000 Hrs Ambient temperature :+85℃ Applied voltage :Rated DC working voltage After test requirement at +20℃ 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 :+85℃ Applied voltage :None After test requirement at +20℃ : Same limits as Endurance. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.

Multiplier for Ripple Current vs. Frequency

Frequency(Hz) \ CAP(μF)	50(60)	120	1K	≧10K
0.1~68μF	0.8	1	1.30	1.5
100~330μF	0.8	1	1.15	1.2

Diagram of Dimensions:(unit:mm)



Dφ	4	5	6.3	8
F	1.5±0.5	2.0±0.5	2.5±0.5	3.5±0.5
dφ	0.45			

Radial

Case Size

WV (Vdc)	Cap (uF)	Size (mm)	Rated Ripple current (mArms/85℃ /120Hz)
4	10	4x5	11
4	15	4x5	17
4	22	4x5	21
4	33	4x5	28
4	47	4x5	33
4	68	5x5	43
4	68	6.3x5	48
4	100	5x5	52
4	220	6.3x5	78
4	330	8x5	142
6.3	10	4x5	14
6.3	15	4x5	17
6.3	22	4x5	24
6.3	33	4x5	33
6.3	33	5x5	37
6.3	47	5x5	39
6.3	68	6.3x5	53
6.3	100	6.3x5	65
6.3	220	6.3x5	90
6.3	220	8x5	115
6.3	330	8x5	145
10	6.8	4x5	11
10	10	4x5	17
10	15	4x5	21
10	22	4x5	30
10	22	5x5	33
10	33	5x5	39
10	47	5x5	42
10	47	6.3x5	46
10	68	6.3x5	56
10	100	6.3x5	76
10	220	8x5	138
16	4.7	4x5	11
16	6.8	4x5	13
16	10	4x5	20
16	15	5x5	26
16	22	4x5	33
16	22	5x5	35
16	33	5x5	42
16	33	6.3x5	46
16	47	6.3x5	58

WV (Vdc)	Cap (uF)	Size (mm)	Rated Ripple current (mArms/85℃ /120Hz)
16	68	6.3x5	65
16	100	6.3x5	86
16	100	8x5	92
25	3.3	4x5	10
25	4.7	4x5	15
25	6.8	4x5	17
25	10	4x5	27
25	10	5x5	28
25	15	5x5	30
25	15	6.3x5	33
25	22	6.3x5	44
25	33	6.3x5	52
25	47	6.3x5	62
25	68	8x5	90
25	100	8x5	108
35	2.2	4x5	8
35	3.3	4x5	11
35	4.7	4x5	18
35	6.8	5x5	20
35	10	5x5	29
35	15	6.3x5	33
35	22	6.3x5	46
35	33	8x5	63
35	47	8x5	83
50	0.1	4x5	2
50	0.15	4x5	2
50	0.22	4x5	3
50	0.33	4x5	3
50	0.47	4x5	4
50	0.68	4x5	5
50	1	4x5	6
50	1.5	4x5	7
50	2.2	4x5	9
50	3.3	4x5	14
50	4.7	5x5	20
50	6.8	6.3x5	25
50	10	6.3x5	30
50	15	6.3x5	37
50	22	6.3x5	48
50	22	8x5	52
50	33	8x5	70