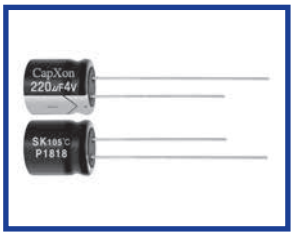
SK Series 7 mm Standard 105℃



Features

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

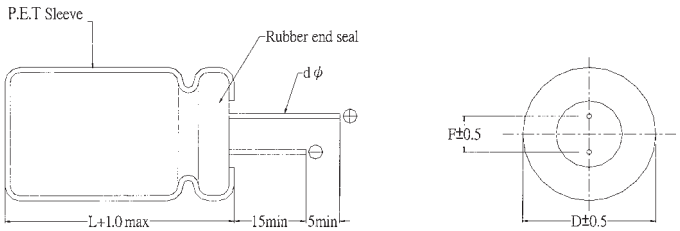
Specifications

Item	Performance Characteristics
Operating Temperature Range	-40 to +105℃
Rated Voltage Range	4 to 63 VDC
Capacitance Range	0.1 to 470 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 (tan δ ，at 20℃，120Hz)	Rated Voltage(VDC): 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 D.F. (%)max.: 25 / 22 / 20 / 16 / 14 / 12 / 10 / 9
Low Temperature Characteristics (at 120Hz)	Impedance ratio max Rated Voltage(VDC): 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 Z-25℃／Z+20℃: 7 / 4 / 3 / 2 / 2 / 2 / 2 / 2 Z-40℃／Z+20℃: 15 / 8 / 6 / 4 / 4 / 3 / 3 / 3
Endurance	Test conditions Duration time :1000 Hrs Ambient temperature :+105℃ 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 :+105℃ 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	400	1K	10K	50K-100K
CAP≦10	0.80	1.00	1.30	1.45	1.65	1.7
10＜CAP≦100	0.80	1.00	1.23	1.36	1.48	1.53
100＜CAP≦1000	0.80	1.00	1.16	1.25	1.35	1.38

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		0.5	

Radial

Case Size

WV (Vdc)	Cap (uF)	Size (mm)	Rated Ripple current (mArms/105℃ /120Hz)
4	22	4x7	23
4	33	4x7	26
4	47	4x7	35
4	68	5x7	55
4	100	5x7	58
4	220	6.3x7	65
4	330	6.3x7	90
4	470	8x7	120
6.3	22	4x7	31
6.3	33	4x7	32
6.3	33	5x7	35
6.3	47	4x7	40
6.3	47	5x7	47
6.3	68	5x7	55
6.3	100	5x7	65
6.3	100	6.3x7	75
6.3	220	6.3x7	90
6.3	220	8x7	120
6.3	330	8x7	120
10	15	4x7	28
10	22	4x7	35
10	33	4x7	40
10	33	5x7	45
10	47	4x7	47
10	47	5x7	51
10	68	5x7	60
10	68	6.3x7	68
10	100	5x7	80
10	100	6.3x7	90
10	220	6.3x7	105
10	220	8x7	150
16	6.8	4x7	20
16	10	4x7	30
16	15	4x7	32
16	22	4x7	37
16	22	5x7	42
16	33	4x7	45
16	33	5x7	50
16	47	5x7	61
16	47	6.3x7	67
16	68	6.3x7	72
16	100	6.3x7	95
16	100	8x7	105
25	4.7	4x7	17
25	6.8	4x7	21
25	10	4x7	30
25	10	5x7	33
25	15	5x7	38
25	22	5x7	45
25	22	6.3x7	48
25	33	5x7	52
25	33	6.3x7	60
25	47	6.3x7	68

WV (Vdc)	Cap (uF)	Size (mm)	Rated Ripple current (mArms/105℃ /120Hz)
25	47	8x7	72
25	68	6.3x7	75
25	100	8x7	115
35	4.7	4x7	22
35	6.8	4x7	24
35	6.8	5x7	28
35	10	4x7	30
35	10	5x7	35
35	15	5x7	38
35	15	6.3x7	45
35	22	5x7	50
35	22	6.3x7	58
35	33	6.3x7	54
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	19
50	3.3	4x7	24
50	4.7	4x7	27
50	4.7	5x7	29
50	6.8	5x7	32
50	6.8	6.3x7	33
50	10	5x7	35
50	10	6.3x7	38
50	15	6.3x7	52
50	22	6.3x7	60
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	19
63	3.3	5x7	25
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