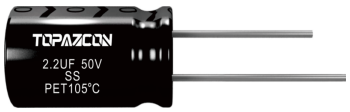
SS Series

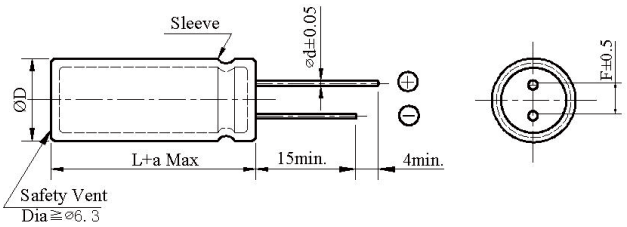
- **Low profile with 5mm height**
- **Load life 1,000 hours at 105℃**
- **RoHS Compliant**



◆ SPECIFICATIONS

Item	Performance Characteristics
Category Temperature Range	-40 ~ +105℃
Working Voltage Range	6.3 ~ 50Vdc
Capacitance Range	0.1 ~ 100 μF
Capacitance Tolerance	±20% (at 20℃ and 120Hz)
Dissipation Factor (tanδ) (at 20℃, 120Hz)	Rated Voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 Tanδ(Max): 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10
Leakage Current	I≤0.01CV or 3uA,whichever is greater. I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 2 minutes
Low Temperature Characteristics Impedance Ratio(MAX)	Rated Voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 Z(-25℃)/Z(+20℃): 3 / 3 / 2 / 2 / 2 / 2 Z(-40℃)/Z(+20℃): 8 / 5 / 4 / 3 / 3 / 3 (at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000 hours at 105°C. Capacitance change: ≦ ±20% of the initial value Dissipation factor(tanδ): ≦ 200% of the specified value Leakage current: ≦ specified value
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 20℃ after the rated voltage applied for 500 hours at 105℃ without voltage applied. Capacitance change: ≦ ±20% of the initial value Dissipation factor(tanδ): ≦ 200% of the specified value Leakage current: ≦ 200% of the specified value

◆ DIMENSIONS (mm)



ΦD	3	4	5	6.3
ΦD	ΦD +0.5 Max			
Φd	0.45	0.45	0.45	0.45
F	1.0	1.5	2.0	2.5
a	L+2 Max			

◆ PART NUMBER SYSTEM(Example : 50V 2.2μF)

E	S	S	1	H	2	R	2	M	0	3	0	5	0	0	B

- Sleeve code(Black)
- Lead length code
- Lead forming Type code
- Size code(0305 : 3×5)
- Capacitance tolerance code(M:±20%)
- Capacitance code (2.2μF)
- Voltage code(50V)
- Series code(SS)
- Category code(E)

SS Series

◆ **Standard Ratings**

WV (Vdc)	Cap (μF)	Case Size ΦD×L (mm)	Max.Rated ripple current mArms@105℃ 120Hz
6.3	10	3×5	12
	22	3×5	18
	22	4×5	23
	33	5×5	30
	47	5×5	37
	100	6.3×5	57
10	10	3×5	15
	10	4×5	20
	22	3×5	21
	22	5×5	28
	33	5×5	34
	47	6.3×5	52
16	4.7	3×5	11
	4.7	4×5	15
	10	3×5	18
	10	4×5	23
	22	5×5	31
	33	6.3×5	48
	47	6.3×2	56
25	4.7	3×5	11
	4.7	4×5	15
	10	3×5	15
	10	5×5	22
	22	6.3×5	44
	33	6.3×5	48
35	3.3	3×5	10
	3.3	4×5	13
	4.7	3×5	13
	4.7	4×5	17
	10	5×5	24
	22	6.3×5	48

WV (Vdc)	Cap (μF)	Case Size ΦD×L (mm)	Max.Rated ripple current mArms@105℃ 120Hz
50	0.1	3×5	0.8
	0.1	4×5	1.0
	0.22	3×5	1.5
	0.22	4×5	2.0
	0.33	3×5	2.0
	0.33	4×5	3.0
	0.47	3×5	3.0
	0.47	4×5	4.0
	1	3×5	5.0
	1	4×5	8.0
	2.2	3×5	8.0
	2.2	4×5	13
	3.3	3×5	9.0
	3.3	4×5	14
	4.7	5×5	18
	10	6.3×5	28

◆ **RIRIPPLE CURRENT MULTIPLIERS**
Frequency Multipliers

Vdc	Frequency (Hz)			
	50/60	120	1K	⩾10K
6.3 ~ 16	0.80	1.00	1.30	1.50
25 ~ 35	0.80	1.00	1.20	1.20
50	0.80	1.00	1.15	1.20