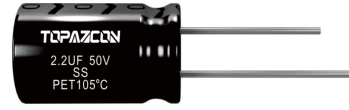


SS Series

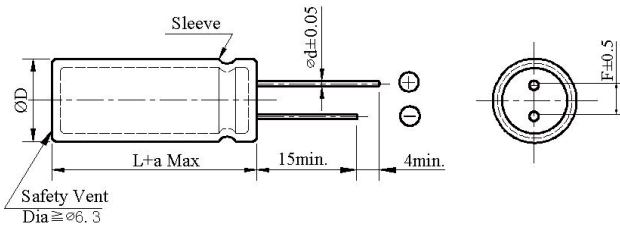
- Low profile with 7mm height
- Load life 2,000 hours at 105°C
- RoHS Compliant



◆ SPECIFICATIONS

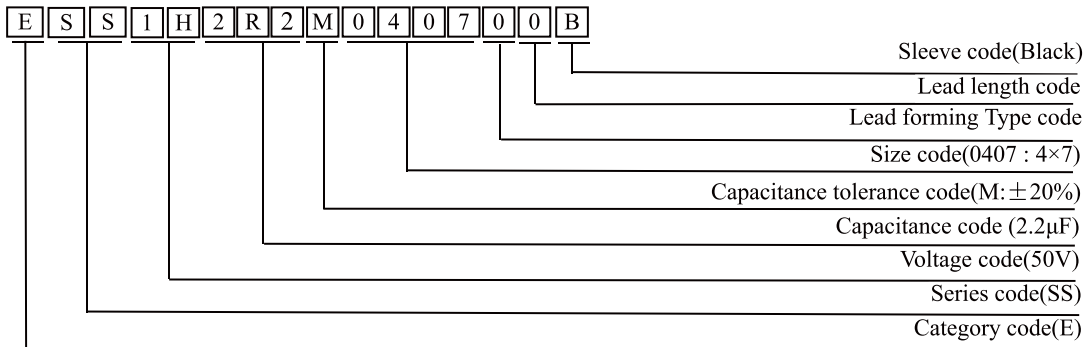
Item	Performance Characteristics
Category Temperature Range	-40 ~ +105°C
Working Voltage Range	6.3 ~ 50Vdc
Capacitance Range	0.1 ~ 220 μF
Capacitance Tolerance	±20% (at 20°C and 120Hz)
Dissipation Factor (tanδ) (at 20°C, 120Hz)	Rated Voltage (V) 6.3 10 16 25 35 50
	Tanδ(Max) 0.22 0.19 0.16 0.14 0.12 0.10
Leakage Current	$I \leq 0.01CV$ or $3\mu A$, 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°C)/Z(+20°C) 4 3 2 2 2 2
	Z(-40°C)/Z(+20°C) 8 5 4 3 3 3
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2,000 hours at 105°C.
Shelf Life	Capacitance change ≒ ±20% of the initial value
	Dissipation factor(tanδ) ≒ 200% of the specified value
	Leakage current ≒ specified value

◆ DIMENSIONS (mm)



ΦD	4	5	6.3	8
ΦD	ΦD +0.5 Max			
Φd	0.45	0.45	0.5	0.5
F	1.5	2.0	2.5	3.5
a	L+2 Max			

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



SS Series

◆ Standard Ratings

WV (Vdc)	Cap (μF)	Case Size ΦD×L (mm)	Max.Rated ripple current mArms@105°C 120Hz
6.3	22	4×7	28
	33	4×7	32
	33	5×7	35
	47	5×7	47
	68	5×7	50
	100	6.3×7	75
	220	8×7	92
10	22	4×7	32
	33	5×7	68
	47	5×7	51
	68	6.3×7	68
	100	6.3×7	80
	220	8×7	130
16	4.7	4×7	20
	10	4×7	28
	22	4×7	35
	22	5×7	42
	33	5×7	50
	47	6.3×7	67
	100	8×7	110
	220	8×7	150
25	4.7	4×7	17
	6.8	4×7	19
	10	4×7	28
	10	5×7	33
	22	5×7	43
	22	6.3×7	45
	33	6.3×7	62
	47	8×7	75
	68	8×7	80
100	8×7	115	

WV (Vdc)	Cap (μF)	Case Size ΦD×L (mm)	Max.Rated ripple current mArms@105°C 120Hz
35	4.7	4×7	22
	6.8	4×7	24
	6.8	5×7	28
	10	5×7	35
	22	6.3×7	60
	33	6.3×7	50
	33	8×7	68
	47	8×7	80
50	68	8×7	85
	0.1	4×7	1.5
	0.22	4×7	2.5
	0.33	4×7	3.5
	0.47	4×7	5.0
	0.68	4×7	7.0
	1	4×7	10
	2.2	4×7	20
	3.3	4×7	26
	4.7	4×7	27
	4.7	5×7	29
	10	6.3×7	38
22	8×7	63	
33	8×7	78	

◆ 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