

# HS Series

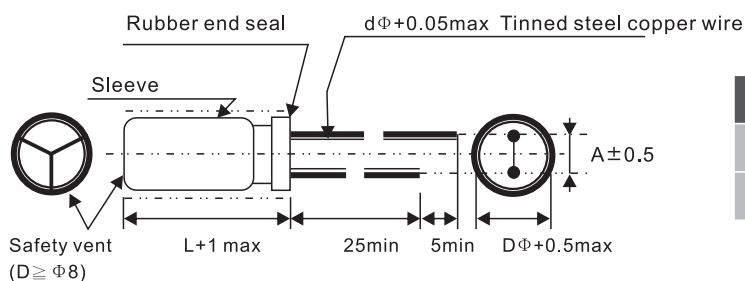
• 7mmL, height, 1000-hours- at 105 °C



• SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	- 40 to +105°C									
Rated Voltage Range	4 to 63Vdc									
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)									
Leakage Current	I = 0.01CV or 3 μA , whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)									
Dissipation Factor (tan δ)	Rated voltage (Vdc)	4V	6.3V	10V	16V	25V	35V	50V	63V	
	tan δ (Max.)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.08	(at 20°C ,120Hz)
Low Temperature Characteristics	Impedance ration max at 120Hz									
	Working voltage	4v	6.3v	10v	16v	25v	35v	50v	63v	
	Z-25°C/ Z+20°C	7	4	3	2	2	2	2	2	
	Z-40°C/ Z+20°C	15	10	8	6	4	4	4	4	
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 1000 hours at 105°C									
	Capacitance change	≤ ±20% of the initial value								
	DF (tan δ)	≤200 % of the initial specified value								
	Leakage current	≤ The initial specified value								
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.									
	Capacitance change	≤ ±20% of the initial value								
	DF (tan δ)	≤200 % of the initial specified value								
	Leakage current	≤ The initial specified value								
Ripple Current Multiplier	Temperature coefficient									
	Temperature(°C)	~55	60	70	85	105				
	Factor	2.20	2.10	2.00	1.75	1.00				
	Frequency coefficient									
	cap \ freq	50	120	300	1K	10K~				
	~47	0.75	1.00	1.35	1.57	2.00				
100~470	0.80	1.00	1.23	1.34	1.50					

• Diagram: (Unit: mm)

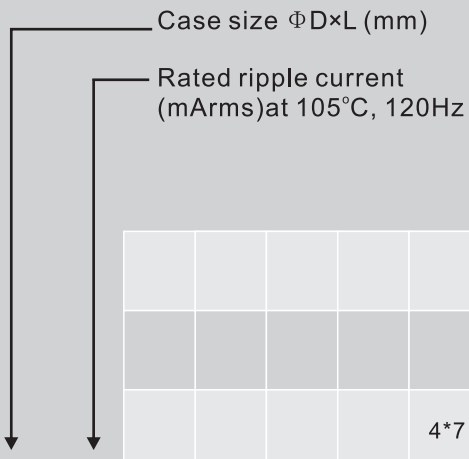


Body Dia ΦD	4	5	6	8
Lead Dia Φd	0.45	0.50	0.50	0.50
Lead Space A	1.5	2.0	2.5	3.5

◆ HS series 7mmL, 105°C 標準品

● STANDARD RATING

$\mu F$ \ Vdc	4		6.3		10		16		25		35		50		63	
0.1													4*7	1.0	4*7	1.0
0.22													4*7	2.0	4*7	2.0
0.33													4*7	3.0	4*7	3.0
0.47													4*7	5.0	4*7	6.0
1.0													4*7	10	4*7	11
2.2													4*7	15	4*7	17
3.3													4*7	18	4*7 5*7	21
4.7											4*7	20	4*7 5*7	23	6.3*7	26
10							4*7	25	4*7	29	5*7	30	5*7	34	6.3*7	43
22			4*7	31	4*7	36	4*7 5*7	39	5*7 6.3*7	43	6.3*7	47	6.3*7	57		
33	4*7	26	4*7	37	5*7	43	5*7	47	6.3*7	53	6.3*7	64				
47	4*7	34	5*7	47	4*7 5*7	53	4*7 5*7	59	6.3*7	79	6.3*7	87	8*7	103		
100	5*7	61	5*7	71	5*7	80	6.3*7	97	6.3*7 8*7	108 115	6.3*7	118				
150	5*7	75	6.3*7	85	6.3*7	98	8*7	109	8*7	123						
180	6.3*7	85	8*7	95	8*7	108	8*9	115	8*9	128						
220	6.3*7	95	6.3*7	105	6.3*7	118	8*9	125								
330	6.3*7	120	8*7	150	8*9	155	8*9	160								
470	8*9	150	8*9	170	8*9	178	8*9	185								



Ripple Current : mA/rms at 120Hz 105°C

Chip Type SMD
Miniature Type
General Purpose
High Frequency Low Impedance
High Voltage High Reliability
Non-polar Type
Large Size Snap-in
Large Size Screw
X Metallized Polypropylene Film Capacitors