

SH 系列
SERIES

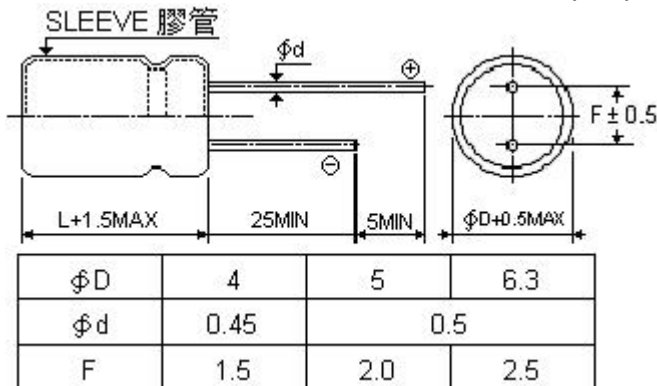
105°C 小型品(L=5,7)
寿命: 105°C 2000 小时

105°C MINIATURE SIZE STANDARD
Load Life :105°C 2000 hours

■ 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics								
使用温度范围 Category Temperature Range	-40~+105°C								
额定电压范围 Rated Voltage Range	6.3~63V.DC								
静电容量容许差 Capacitance Tolerance	±20%(M)(25°C, 120Hz)								
泄漏电流 Leakage Current (MAX)	I ≤ 0.01CV 或 3 μA (值小于 3 μA 时使用) (施加额定电压 2 分钟后) I ≤ 0.01CV or 3 μA whichever is greater (After 2 minutes application of rated voltage)								
散逸因素(tan δ) Dissipation Factor (MAX)	额定电压(V) Rated Voltage	6.3	10	16	25	35	50	63	25°C120Hz
	tan δ	0.24	0.20	0.17	0.15	0.12	0.12	0.10	
高温负荷 Load Life	105°C恒温施加额定电压(含纹波电流)2000 小时后, 必须满足下列的值。 After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements.								
	静电容量变化率 Capacitance Change	初期值±25%以内 Within ±25% of the initial value							
	散逸因素(tan δ) Dissipation Factor	规格值 200%以下 Not more than 200% of the specified value							
	泄漏电流 Leakage Current	规格值以下 Not more than the specified value							
高温放置 Shelf Life	105°C恒温不施加额定电压 500 小时后, 必须满足下列的值。 After applying no rated voltage for 500hrs at 105°C. The capacitors shall meet the following requirements.								
	静电容量变化率 Capacitance Change	初期值±20%以内 Within ±20% of the initial value							
	散逸因素(tan δ) Dissipation Factor	规格值 200%以下 Not more than 200% of the specified value							
	泄漏电流 Leakage Current	规格值 200%以下 Not more than 200% of the specified value							
突波电压(V) Surge Voltage	额定电压(V) Rated Voltage	6.3	10	16	25	35	50	63	
	突波电压(V) Surge Voltage	8	13	20	32	44	63	79	
低温特性 Low Temperature Stability (合成阻抗比) Impedance Ratio (MAX)	额定电压(V) Rated Voltage	6.3	10	16	25	35	50	63	120Hz
	Z(-25°C) / Z(25°C)	4	3	2	2	2	2	2	
	Z(-40°C) / Z(25°C)	10	8	6	4	3	3	3	

■ 尺寸图 DIMENSIONS



■ 纹波电流补偿系数 MULTIPLIER FOR RIPPLE CURRENT

(1) 频率系数 Frequency coefficient

频率(Hz) Frequency	60(50)	120	1k	≥10k
系数 Coefficient	0.47~47 μF	0.75	1.00	1.30
	100~220 μF	0.75	1.00	1.15

■ 尺寸一览表, 额定纹波电流一览表 STANDARD SIZE, RATED RIPPLE CURRENT

Size ϕ D×L(mm), Ripple Current (mA r.m.s./105°C, 120 Hz)

额定电压 WV(V.DC) 静电容量 Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.10											4×7	3	4×7	3
0.22											4×7	5	4×7	5
0.33											4×7	6	4×7	6
0.47					4×7	26					4×7	7	4×7	7
1					4×7	26	4×7	28			4×7	11	4×7	11
2.2					4×7	26	4×7	28			5×7	34		
											4×7	16	4×7	16
											5×7	34		
3.3					4×7	26	4×7	28			4×7	20	5×7	22
4.7					4×7	26	4×7	28	4×7	28	4×7	27	6.3×7	31
10					4×7	26	4×7	28	4×7	28	5×7	34	6.3×7	31
					5×7	55					6.3×7	45		
22	4×7	33	4×7	36	4×7	39	4×7	28	5×7	36				
					5×7	55	5×7	47						
33	4×7	40	4×7	44	4×7	39	6.3×7	65	6.3×7	60				
					5×7	55								
47	5×7	55	5×7	60	6.3×7	75	6.3×7	65	6.3×7	60				
100	5×7	55	5×7	60	6.3×7	110	6.3×7	65						
	6.3×7	90	6.3×7	100										
220	6.3×7	90	6.3×7	100	6.3×7	110								

额定电压 WV(V.DC) 静电容量 Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47											4×5	25
1											4×5	25
2.2											4×5	25
3.3											5×5	26
4.7							4×5	21	4×5	23	6.3×5	35
10					4×5	20	4×5	21	5×5	27	5×5	26
							5×5	35			6.3×5	35
22	4×5	38	4×5	40	4×5	29	5×5	35	6.3×5	45		
					5×5	38	6.3×5	63				
33	4×5	43	4×5	42	5×5	38	6.3×5	63				
47	5×5	45	5×5	45	6.3×5	84	6.3×5	63				
100	5×5	48	6.3×5	75	6.3×5	84						
220	6.3×5	70										

■ 耐久性 ENDURANCE

△ 10 μF-16V 5×7 ▲ 100 μF-16V 6.3×7 □ 10 μF-25V 4×7

