

适用于一般性工业性电子产品，电气设备，通讯设备等。

★ Suitable for consumer electronic equipment and industry products etc.

★ Load Life 2000Hrs at 105°C

主要技术性能 Specifications

项目 Item	特性 Performance Characteristics	
使用温度范围 Operating temperature rang	-40 ~ 105°C	
额定电压范围 Rated voltage range	6.3 ~ 63V _{DC}	
标准电容量范围 Nominal capacitance range	0.1 ~ 470 μF	
标准电容量允许偏差 Capacitance tolerance	±20% (120Hz, +20°C)	
漏电流 Leakage current	I ≤ 0.01CV (A) or 3uA	
	2 分钟后测试取较大者 After 2 minutes applying the DC working voltage	V : Working Voltage (V) C : Rated Capacitance (μF) L : Leakage Current (A)
损耗角正切值 (tan. δ) Dissipation factor max. (D.F.) at 20°C, 120Hz	Working Voltage (V _{DC})	6.3 10 16 25 35 50 63
	DF (%) Max.	22 20 16 14 12 10 9
低温特性 Low Temperature Characteristics (Impedance ratio at 120Hz)	Working Voltage (V _{DC})	6.3 10 16 25 35 50 63
	Z-25°C/+20°C	4 3 2 2 2 2 2
	Z-40°C/+20°C	8 6 4 3 3 3 3
负荷寿命 Load life	+105°C下施加额定工作电压2000Hrs 后, 特性变化率如下: After applying rated voltage for 2000Hrs at +105°C ,	
	Capacitance Change	≤ ±20%初始测量值以内 The initial value
	D.F. (%) Change	≤ 200%初始规定值 The initial specified value
放置寿命 Shelf life	+105°C下放置1000Hrs 后, 特性变化率如下: After 1000Hrs at +105°C ,	
	Capacitance Change	≤ ±20%初始测量值以内 The initial value
	D.F. (%) Change	≤ 200%初始规定值 The initial specified value

纹波与频率系数对照表

Multiplier of ripple current vs frequency

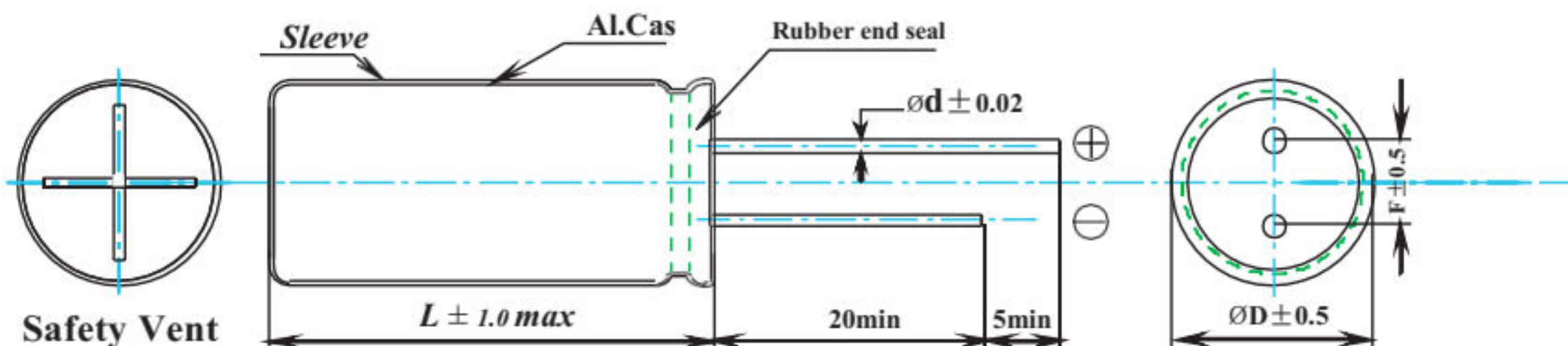
CAP (μF) \ Hz		50	60	120	400	1K	10K	50K-100K
Multiplier	CAP ≤ 47	0.8	1	1.30	1.45	1.65	1.70	
	100 < CAP ≤ 100	0.8	1	1.23	1.36	1.48	1.53	
	100 < CAP ≤ 1000	0.8	1	1.16	1.25	1.35	1.38	

纹波与温度系数对照表

Multiplier of ripple current vs temperature

Temperature (°C)	55	60	70	85	105
系数 Factor	2.23	2.17	2.00	1.75	1.00

规格尺寸图 Dimensions: (mm)



φD ± 0.5	4	5	6.3	8
F ± 0.5	1.5	2.0	2.5	3.5
φd ± 0.02	0.4		0.45	

尺寸与纹波对照表 Ripple current vs capacitance

WV (V) Cap (F)		øD x L(mm)													
		6.3 (6)		10 (3)		16 (20)		25 (22)		35 (44)		50 (63)		63 (79)	
		Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.
0.1												4×7	1.5	4×7	1.5
0.22												4×7	2.5	4×7	2.5
0.33												4×7	3.5	4×7	3.5
0.47												4×7	5.0	4×7	5.5
0.68												4×7	7.0	4×7	7.5
1												4×7	10	4×7	11
2.2												4×7	19	4×7	20
3.3												4×7	24	5×7	25
4.7										4×7	22	4×7	27	5×7	30
												5×7	29	6.3×7	33
6.8										4×7	24	4×7	32	5×7	35
10										4×7	30	5×7	35	6.3×7	42
										5×7	35	6.3×7	42		
22										5×7	50	6.3×7	60	8×7	72
										6.3×7	58	8×7	70		
33										5×7	64	8×7	75	8×7	80
										6.3×7	75	8×9	85	8×9	90
47										6.3×7	80	8×7	90	8×9	95
										8×7	85	8×9	98		
68										6.3×7	85	8×9	95		
										8×7	90				
100										8×7	100				
4.7								4×7	17						
6.8						4×7	20	4×7	21						
10						4×7	30	4×7	30						
22		4×7	31	4×7	35	4×7	37	4×7	45						
						5×7	42	5×7	48						
33		4×7	32	4×7	40	4×7	45	6.3×7	52						
						5×7	50	5×7	60						
47		4×7	40	4×7	47	4×7	61	6.3×7	68						
						5×7	67	6.3×7	72						
68		5×7	55	5×7	68	5×7	72	6.3×7	95						
100		4×7	65	5×7	80	5×7	100	8×7	120						
		5×7	75			6.3×7	110	8×7	130						
220		6.3×7	90	6.3×7	100	6.3×7	120	8×9	140						
				8×7	120	8×7	140		153						
330		6.3×7	120	8×7	140	8×7	150								
470		6.3×7	130	8×7	150	8×7	170								
		8×7	150	8×9	160	8×7	182								

Ripple Current (mA rms) at 105°C 120Hz