

SYJ SERIES

SYJ系列

- Wide operating temperature range of - 25 ~ + 105°C 工作温度范围: - 25 ~ + 105°C
- Miniaturized high ripple current 通用型号的标准品
- Voltage range of 400V-450V 工作电压: 400V-450V
- Load life of 5000 hours at 105°C 使用寿命: 105°C 5000小时
- Organic metal capacitor **NEW**

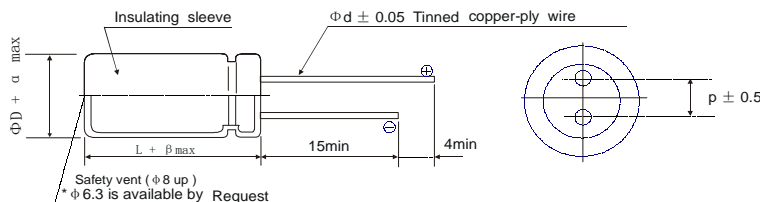


■ SPECIFICATIONS

技术参数

Item (项目)	Characteristics (特征)	
Operating Temperature Range (使用温度范围)	- 25 ~ + 105°C	
Voltage Range (额定电压)	400-450 V.DC	
Nominal Cap. Range (容量范围)	2.2 ~ 100 μF	
Capacitance Tolerance (温度频率范围)	- 20% ~ + 20% (at 20°C, 120Hz)	
Leakage Current (漏电流)	WV	400-450 V
	L.C.	I = 0.02CV + 15(μA) whichever is greater(after 5min) 施加额定电压5分钟测试
where, I: Max Leakage Current(μA), C: Nominal Capacitance(μF), V: Rated Voltage(V) (at 20°C) 注解: I:漏电流μA C:容量(μF), V: 额定电压(V) (在 20°C)		
Dissipation Factor (tanδ) (at 120Hz, +20°C) 损失角正切值	W.V.	400 450
	tanδ	0.20 0.20
Low Temp. Impedance Stability at 120Hz (温度特性)	W. V.	400 450
	Z-25°C/Z+20°C	8 8
	Z-40°C/Z+20°C	- -
High Temp. Load Test (高温负荷特性)	After 5000 hours, application of DC rated working voltage at + 105°C, the capacitor shall meet the following limits. 105°C施加额定电压5000小时后满足下列条件 Capacitance change ... ≤ ±30% of the initial measured value 容量在±20%范围内 Tan δ ... ≤ 250% of the initial specified value 损失角在初始规定值200% DC leakage current ... ≤ the initial specified value 漏电流小于或等于规格值	
High Temp. Non-Load Test (高温无负荷特性)	After storage for 1000 hours at 105°C with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met. 在105°C的条件下不加电压放置1000个小时, 按照JIS-C-5102中4-4的标准进行处理, 特性满足高温负荷特性	

● DIMENSIONS(mm) 尺寸



Unit:(mm)	单位mm						
φD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5		0.6		0.8		
β	1.0			1.5			
α	0.5						

▼ MULTIPLIER FOR RIPPLE CURRENT 纹波电流修正系数

(1) Frequency coefficient 频率系数

频率系数

(2) Temperature coefficient 温度系数

温度系数

Cap(μF)	Freq.(HZ)						Ambient Temperature(°C)				
	60(50)	120	300	1K	10K	100K	40	60	70	85	105
0.1~ 47	0.75	1.00	1.35	1.55	2.00	2.10	Coefficient				
68 ~ 680	0.80	1.00	1.55	1.65	1.85	2.30	2.4	2.1	1.78	1.65	1
1000 ~15000	0.85	1.00	1.65	1.75	1.90	2.40					

SHELCON

Radial Lead Aluminum Electrolytic Capacitors

SHELCON

引线型铝电解电容器

SYJ SERIES

SYJ系列

■STANDARD SIZE

标准品一览表

WV (VDC)	Cap(μ F)/120Hz	Case size	Ripple(mArms 105°C/120Hz)	WV (VDC)	Cap(μ F)/120Hz	Case size	Ripple(mArms 105°C/120Hz)
额定电压	静电容量	尺寸DxL	纹波电流	额定电压	静电容量	尺寸DxL	纹波电流
400	2.2	6.3*11	125	450	2.2	8*12	130
	3.3	8*12	145		3.3	8*12	155
	4.7	8*12	195		4.7	10*13	205
	6.8	10*13	210		6.8	10*16	220
	10	10*13	450		10	10*20	460
	10	10*16	490		10	13*16	495
	15	10*16	510		15	13*20	525
	15	10*20	530		22	16*20	535
	22	13*16	580		33	16*25	698
	22	13*20	600		47	18*25	810
	33	13*25	680				
	33	16*20	710				
	47	16*20	730				
	47	16*25	750				
	68	18*25	790				
100	18*32	820					