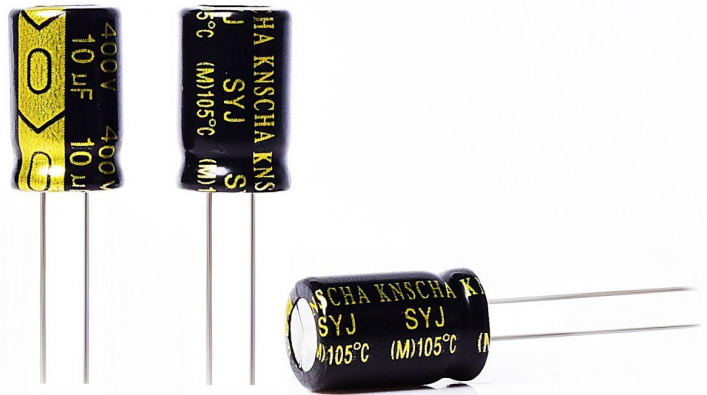


SYJ SERIES

- 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
- TiO₂ Organic metal capacitor NEW

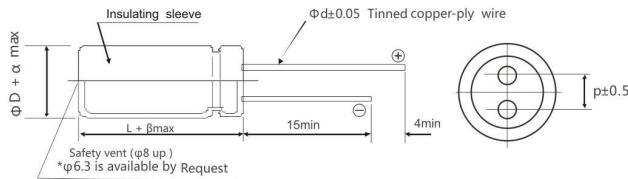


SPECIFICATIONS 技术参数

Item (项目)	Characteristics (特征)		
Operating Temperature Range (使用温度范围)	- 25 ~ + 105°C		
Rated Voltage (额定电压)	400-450 V.DC		
Capacitance Range(容量范围)	2.2 ~ 100 µF		
Temperature Frequency Range (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)	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 meet.		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

SYJ SERIES

DIMENSIONS(mm) 尺寸



Unit:(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

Cap(μF)	Freq.(Hz)	60(50)	120	300	1K	10K	100K
0.1~47		0.75	1.00	1.35	1.55	2.00	2.10
68~680		0.80	1.00	1.55	1.65	1.85	2.30
1000~15000		0.85	1.00	1.65	1.75	1.90	2.40

(2) Temperature coefficient 温度系数

Ambient Temperature(°C)	40	60	70	85	105
Coefficient	2.4	2.1	1.78	1.65	1

STANDARD SIZE 标准品一览表

WV(VDC)	Cap(μF) /120Hz	Case size	Ripple (mArms 105°C 100KHz)	WV(VDC)	Cap(μF) /120Hz	Case size	Ripple (mArms 105°C 100KHz)	
额定电压	容量	尺寸DxL	纹波电流	额定电压	容量	尺寸DxL	纹波电流	
400	2.2	6.3x11	125	450	2.2	8x12	130	
	3.3	8x12	145		3.3	8x12	155	
	4.7	8x12	195		4.7	10x13	205	
	6.8	10x13	210		6.8	10x16	220	
	10	10x13	450		10	10x20	460	
	10	10x16	490		10	13x16	495	
	15	10x16	510		15	13x20	525	
	15	10x20	530		22	16x20	535	
	22	13x16	580		33	16x25	698	
	22	13x20	600		47	18x25	810	
	33	13x25	680					
	33	16x20	710					
	47	16x20	730					
	47	16x25	750					
	68	18x25	790					
	100	18x32	820					

SHW系列
SHL系列
SHF系列
SHT系列
SHG系列
MHT系列
SYJ系列
SHX系列
SX30系列
SHA系列
ST-50系列
ST-03系列
PB/PA/PV/PS系列