

HJ Series

New

+145°C, High Temperature (耐高温品)

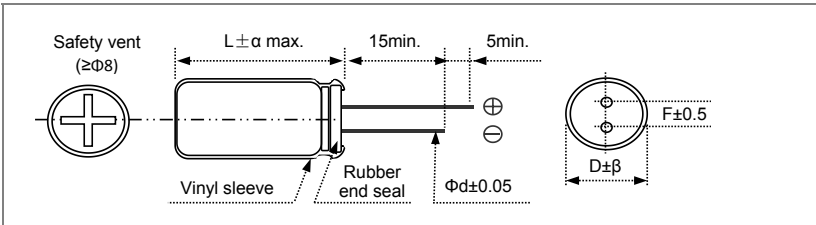
FEATURES 特点

1. For Electronic Ballast of CFL and light emitting diode lamp(LED) drive source, For Power Supply 适合球泡灯用电子镇流电路、LED驱动、电源.
2. Solution for high temperature application such as automobile electronics 车载机器等高温环境使用.

SPECIFICATIONS 规格表

Item 项目	Performance Characteristics 特性参数										
Operation Temperature Range 工作温度范围	-40 to +145°C					-25 to +145°C					
Rated Working Voltage Range 额定电压范围	25 to 100 VDC					200, 400 VDC					
Capacitance Tolerance 静电容量允许偏差	±20% (120Hz 20°C)										
Leakage Current 漏电流	LC≤0.01CV or 3(μA) Whichever is greater measured after 5 minutes application of rated working voltage at +20 °C 施加额定工作电压充电5分钟后读数, 二者取大值。					LC≤0.03CV+15 (μA) after 5 minutes application of rated working voltage at +20 °C 施加额定工作电压充电5分钟后读数 [C : 静电容量(μF), V : 额定电压(V)]					
Dissipaom Factor (tan δ) 损失角正切值 (120Hz, +20°C)	Working Voltage(v)	25	35	50	63	100	200	400			
	tan δ(max.)	0.14	0.12	0.10	0.09	0.08	0.15	0.20			
For capacitance value >1000μF, add 0.02 per another 1000μF 标称容量值超过1000uF, 则每增加1000uF, 损失角正切值增加0.02											
Low Temperature characteristics 温度特性(阻抗比)	Impedance ratio max. at 120 Hz 阻抗比最大值										
	Working Voltage(V)	25	35	50	63	100	200	400			
	Z(-25°C)/ Z(+20°C)	2	2	2	2	2	3	6			
	Z(-40°C)/ Z(+20°C)	3	3	3	3	3	—	—			
High Temperature Loading (Endurance) 高温负荷寿命(耐久性)	Test conditions 试验条件					Post test requirements at +20°C 试验后特性应满足如下要求					
	Duration 持续时间	2,000 hours					Leakage current 漏电流	≤Initial specified value 初始规格值			
	Ambient temp. 环境温度	+145°C					Cap. Change 静电容量变化率	within ±30% of initial measured value 初始测试值的±30%内			
	Applied voltage 施加电压	DC voltage with maximum permissible ripple current specified at +105°C 施加直流电压与额定纹波电流(所加电压峰值[DC+AC]不超过额定工作电压)					D.F.(tan δ) 损失角正切值	≤300% of initial specified value 3倍初始规格值			
						Before test requirement: Resumed 16 hours at normal temperature 测试前将电容在常温中放置16小时					
Other 其他	JIS C-5101 (IEC 60384)										

CASE SIZE TABLE 尺寸图 (Unit: mm)



ΦD	8	10	13	16	18
F	3.5	5.0		7.5	
Φd	0.5 or 0.6	0.6		0.8	
α	(L<20) 1.5			(L≥20) 2.0	
β	(D<20) 0.5			(D≥20) 1.0	

Multiplier for Ripple Current vs. Frequency 纹波电流频率修正系数

Frequency Coefficient 频率系数

Cap(μF)	120 Hz	1K Hz	10K Hz	≥100K Hz
1~33	0.35	0.60	0.80	1.00
47~220	0.40	0.75	0.92	1.00
≥330	0.50	0.8	0.95	1.00

Multiplier for Ripple Current vs. Temperature 纹波电流温度修正系数

Temperature Coefficient 温度修正系数

Temperature(°C)	45	60	70	85	95	105	115	125	135	145
Multiplier	1.80	1.50	1.45	1.40	1.35	1.30	1.25	1.20	1.15	1.00

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STANDARD RATINGS 标准品一览表

Voltage(Code)		25V(1E)		35V (1V)		50V (1H)		63V(1J)		100V(2A)	
Cap.(μF)	Code	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C
10	010									8×12	180
22	022									8×12	200
33	033									10×13	250
47	047							10×16	210	10×20	330
100	101			10×16	350	10×20	300	13×21	340	13×25	670
220	221	10×16	360	10×20	445	13×21	385				
330	331	10×20	445	13×21	530	13×25	480				
470	471	13×21	585	13×25	740						
1000	102										

Case Size ΦD x L(mm) Case Size ΦD x L(mm)

Maximum Allowable Ripple Current (mA rms) at 145°C 100KHz

Voltage(Code)		200V(2D)		400V(2G)							
Cap.(μF)	Code	Case Size	R.C	Case Size	R.C						
1	001			8×12	65						
2.2	2P2			8×16	80						
3.3	3P3			8×16	95						
4.7	4P7	8×12	120	10×16	125						
6.8	6P8			10×20	145						
10	010	10×16	200								
22	022	10×20	225								
33	033										
47	047										
100	101										

Case Size ΦD x L(mm) Case Size ΦD x L(mm)

Maximum Allowable Ripple Current (mA rms) at 145°C 100KHz

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately