

FCD 系列
SERIES

急速发光闪光灯用主电容器

Electrolytic capacitors for rapid strobe flash applications.

◆ 特长 FEATURES

可急速充放电、长寿命

Long life under rapid charge and discharge use.

◆ 注意/CAUTION

此系列电容只用于闪光灯(电子闪光灯)的主电容器, 不能用作其他用途
FCD1 series is designed, manufactured and intended solely for use in signal light with strobe-flash.

This is not intended for use in medical equipment.

SHENZHEN GATHERELECTRONICS CO., LTD expressly disclaims many warranties or representations as to the suitability or fitness of this capacitor for use in medical equipment.

◆ 特性表 SPECIFICATIONS



项 目 Item	特 性 Characteristics	
使用温度范围 Operating Temperature Range	-25~+70°C	
额定电压范围 Rated Voltage Range (W.V)	360 V. DC	450 V. DC
耐 电 压 Withstand Voltage	390 V. DC	500 V. DC
静电容量允许偏差 Capacitance Tolerance	±20% (25°C, 120 Hz)	
漏 电 流 (I) DC Leakage Current	$I \leq 3\sqrt{CV}$ (µA) 或 5mA 取较小者 (施加额定电压5分钟后测试) +20°C 测试 $\sqrt{I} \leq 3 \sqrt{CV}$ (µA) or 5mA whichever, smaller. After 5 minutes application of rated working voltage at +25°C. C: Capacitance V: W.V	
损耗角正切值 (tan δ) Dissipation Factor	TANδ 0.07	(25°C, 120Hz)
高温负荷特性 Load Life	在45°C环境中施加额定电压, 用氙灯放电每一秒钟一次, 进行1000000次。 Charge and discharge at rated voltage at 45°C in every 1 second for 1 million times via Xe flash tube.	
	静电容量变化率 Capacitance Change	初期值的 ±10%以内 With in ±10% of the initial value
	损耗角正切值 Dissipation Factor	规格值的 150%以内 Not more than 150% of the specified value
	漏电流 Leakage Current	规格值的200%以下 Not more than 200% of the specified value
高温无负荷特性 Shelf Life	在70°C中无负荷放置500小时, 恢复到常温, 进行JIS C 5101-4 4.1的电压处理后, 进行的测定。 Storage without voltage applied at 70°C for 500 hours and measured at 25°C ± 5°C after voltage processing in JIS C 5101-4 item 4.1	
	静电容量变化率 Capacitance Change	初期值的 ±10%以内 With in ±10% of the initial value
	损耗角正切值 Dissipation Factor	规格值的 150%以内 Not more than 150% of the specified value
	漏电流 Leakage Current	规格值的300%以下 Not more than 300% of the specified value

◆ 尺寸表/ STANDARD SIZE

CAP. (µF)	WV	360				450			
	Φ D	Φ 22	Φ 25	Φ 30	Φ 35	Φ 22	Φ 25	Φ 25	Φ 35
40						22x35			
50						22x40	25x35		
60		22x30				22x50	25x39		
80		22x40	25x30				25x45		
100		22x50	25x39				25x55	30x45	
120			25x45					30x51	
150			25x51	30x41				30x51	30x45
200				30x45				30x65	35x56
300				30x65	35x51				35x66
400					45x66				

↑ 铝壳尺寸 Case Size Φ D XL (mm)