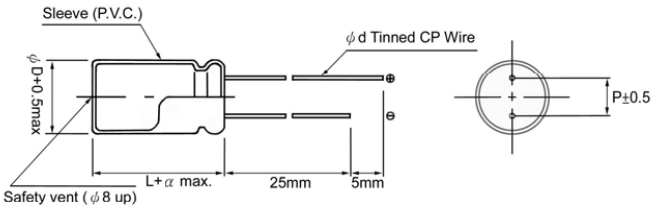
LCL SERIES

Extremely low leakage current and high reliable series,
Designed for trigger circuit or high reliable products.
具极低之泄漏电流特性，适用于如激发电路或高信赖性之电子产品

SPECIFICATION :

ITEM项目	Performance Characteristics特性					
Operating Temperature range 使用温度范围	-40℃ ～ + 85℃					
Rated Voltage(vdc) 定格电压范围	10v ～ 50v DC					
Capacitance Tolerance 电容量容许差	±20%(M) at 120 Hz ,20℃					
Leakage Current 漏泄电流	I=0.002CV or 0.4uA, whichever is greater after 3minutes application of rated voltage I=Leakage C=Rated capacitance V=Working voltage					
Dissipation Factor tan δ （120 Hz, 20℃)损失角之正接	Rated Voltage	10	16	25	35	50
	DF(tan δ)	0.20	0.17	0.15	0.12	0.10
Temperature Characteristics 低温稳定特性	Stability at Low Temperature.					
	Rated Voltage	10	16	25	35	50
	Z(-25℃)/Z(20℃)	3	2	2	2	2
	Z(-40℃)/Z(20℃)	6	4	4	3	3
Load Life 高温负载寿命	After 1,000 hours application of rated voltage at 85℃,capacitors meet the characteristics requirements mentioned below					
	Capacitance Change	Within 25% of initial value				
	DF(tan δ)	200% or less of initial specified value				
	Leakage Current	Initial specified value or less				
Shelf Life 高温无负载寿命	At +85℃ no voltage applied after 500 hours the capacitor shall meet the following limits					
	Capacitance Change	Within 25% of initial value				
	DF(tan δ)	200% or less of initial specified value				
	Leakage Current	200% or less of initial specified value				

Dimension(mm)



φD	5	6.3	8	10	13
P	2.0	2.5	3.5	5.0	5.0
φd	0.5			0.6	
α	1.5				

WV Cap	10v		16v		25v		35v		50v	
	φDxL	mA rms	φDxL	mA rms	φDxL	mA rms	φDxL	mA rms	φDxL	mA rms
1									5×11	20
2.2	Case size φDxL (mm)								5×11	35
3.3	▼	Rated Ripple current(mA rms) at 85℃120Hz							5×11	45
4.7		▼			5×11	35	5×11	40	5×11	60
10			5x11	50	5×11	55	5×11	55	5×11	100
22	5×11	65	5x11	75	5×11	80	6.3×11	95	6.3×11	145
33	5×11	75	5x11	90	6.3×11	100	6.3×11	110	8×11	175
47	5×11	100	6.3x11	115	6.3×11	130	8×11	160	8×11	290
100	6.3×11	150	8x11	195	8×11	210	10×13	250	10×16	530
220	8×11	265	10x13	320	10×16	370	10×20	430	13×20	610
330	10×13	345	10x16	420	10×20	490	13×20	590		
470	10×16	450	10x20	490						
1000	13×20	800								