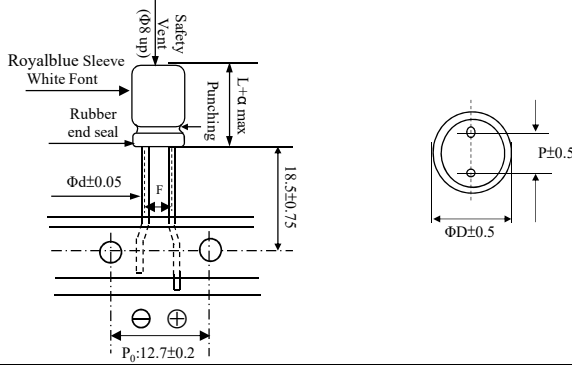


FOR APPROVAL

DIMENSIONS(mm)

ΦD	8
L	12
α	1.0
P	3.5
F ^{+0.8} _{-0.2}	3.5
Φd	0.5



Customer:	Melchioni	Aluminum Electrolytic Capacitors	Su'scon
		SL Series	Code

Electric Characteristics:

Melchioni	Su'scon	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size (D*L(mm))	Leakage Current Max (uA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	Load Life (hours)
P/N	P/N										
	SL016M471F12PKKKP35R	470	±20	16	20	85	8*12	75	16	569	2000

REMARKS:

- Leakage Current Test:** 6.3V~100V at 20°C for 2 minutes; 160V~500V at 20°C for 3 minutes
- Operating temperature:** 6.3V~250V -40°C~ +85°C; 350V~500V -25°C~ +85°C
- Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test:** at 85°C, 120 Hz ;
- Load Life:** 2000 hours, subjected to DC voltage with the rated ripple current is applied at 85°C.
- Capacitance Change:** Within±20% of initial value;
- tanδ:** 200% or less of initial specified value; According to the specified value which stated in the catalogue to do the life testing;
- Leakage Current:** Initial specified value or less;
- Shelf Life:** The following specifications shall be satisfied when the capacitors are restored to 20 °C after exposing them for 1000 hours 85°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
- Capacitance Change :** Within±20% of initial value;
- tanδ:** 200% or less of initial specified value;
- Leakage Current:** Initial specified value or less.
- when have characteristic requested :** Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	6.3V~100V	160V~500V									
Leakage Current 洩漏電流	I ≤ 0.01CV or 3(uA), Which is greater. (After 2 minutes application of working voltage)	I ≤ 0.03CV + 20(uA) (After 3 minutes application of working voltage)									
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency:120Hz. Temperature:20°C										
	Rate Voltage(V)	6.3	10	16	25	35	50	63	100	160~250	350~500
	tanδ (MAX)	0.24	0.20	0.16	0.15	0.12	0.10	0.09	0.08	0.20	0.25
Standards 參照標準	JIS C 5101-4(IEC 60384)										

●RIPPLE CURRENT COEFFICIENTS

Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1k	≥20k
≤ 100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≥ 160	0.1~220	0.80	1.00	1.40	1.60
	330~1000	0.90	1.00	1.13	1.15

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.