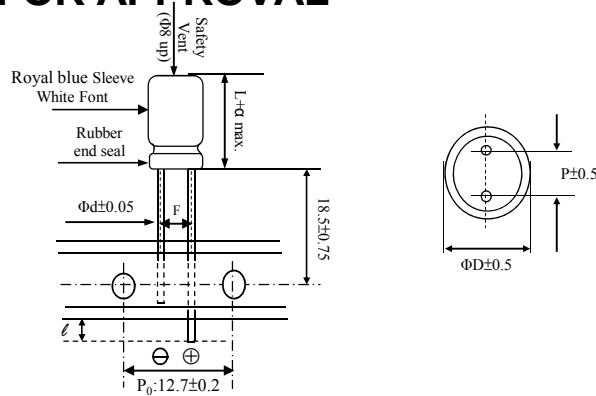


FOR APPROVAL

DIMENSIONS(mm)

ΦD	10	10
L	13	20
α	1.0	2.0
P	5.0	5.0
F ^{+0.8 -0.2}	5.0	5.0
ℓ	1.0	1.0
Φd	0.6	0.6



Customer: Melchioni	Electrolytic Capacitors SL Series									Su'scon	
										Code	

Electric Characteristics:											
Melchioni P/N	Su'scon P/N	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)
	SL025M471G13PE89P50R	470	±20	25	32	85	10*13	117	15	575	2000
	SL025M102G20PE89P50R	1000	±20	25	32	85	10*20	250	15	1150	2000

REMARKS:	
1. Leakage Current Test:	6.3V~100V at 20°C for 2 minutes; 160V~500V at 20°C for 3 minutes
2. Operating temperature:	6.3V~250V -40°C~ +85°C; 350V~500V -25°C~ +85°C
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 85°C, 120 Hz ;
6. 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;
7. 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.
8. 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≤0.01CVor3(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℃											
	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	
	When nominal capacitance over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.											
Standards 參照標準	JIS C 5101-4-1 and JIS C 5101-2											

●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.

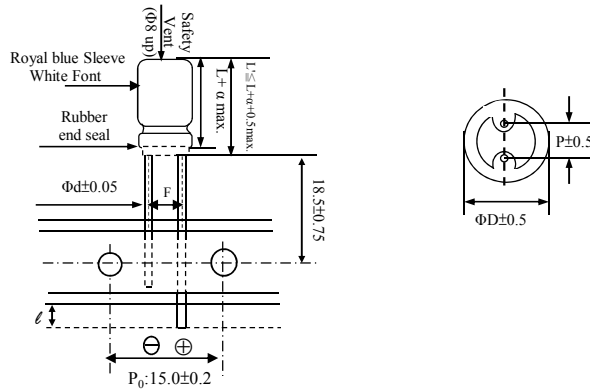
When long life performance is required in actual use, the rms ripple current has to be reduced.

Production date:2023.04.20

FOR APPROVAL

DIMENSIONS(mm)

ΦD	12.5
L	25
α	2.0
P	5.0
F ^{+0.8} _{-0.2}	5.0
ℓ	1.0
Φd	0.6



Customer:	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										
	SL035M102X25TE89P50R	1000	±20	35	44	85	12.5*25	350	12	1400	2000

REMARKS:

1. Leakage Current Test:	6.3V~100V at 20°C for 2 minutes; 160V~500V at 20°C for 3 minutes
2. Operating temperature:	6.3V~250V -40°C~ +85°C; 350V~500V -25°C~ +85°C
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 85°C, 120 Hz ;
6. Load Life:	2000 hours, subjected to DC voltage with the rated ripple current is applied at 85°C.
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tanδ:	200% or less of initial specified value;
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Leakage Current:	Initial specified value or less;
7. 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.
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When long life performance is required in actual use, the rms ripple current has to be reduced.

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