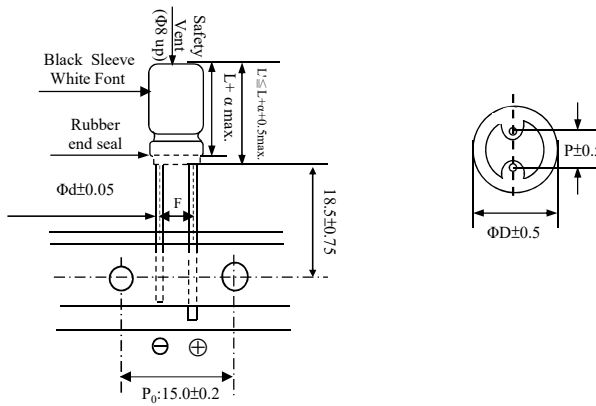


FOR APPROVAL

DIMENSIONS(mm)

ΦD	12.5
L	20
α	2.0
P	5.0
F ^{+0.8} _{-0.2}	5.0
Φd	0.6



Customer:	Ozdisan	Electrolytic Capacitors	Su'scon
		SK Series	Code

Electric Characteristics:											
Ozdisan	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										
	SK035M102X20TKKKP50R	1000	±20	35	44	105	12.5*20	350	12	908	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~ +105°C ;350V~500V -25°C~ +105°C ;

3. Dissipation Factor Test: at 20°C, 120 Hz.

4. Capacitance Test: at 20°C, 120 Hz.

5. Ripple Current Test: at 105°C, 120 Hz ;

6. Load Life: 2000hours,subjected to DC voltage with the rated ripple current is applied at 105°C.

Capacitance Change: Within±20% of initial value;

tanδ: 200% or less of initial specified value;

Leakage Current: Initial specified value or less;

7. Shelf Life: According to the specified value which stated in the catalogue to do the life testing; exposing them for 1000 hours 105°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	$I \leq 0.01CV$ or 3 (uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$, (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角)	Measurement Frequency:120Hz. Temperature:20°C											
(tan δ)	Rate Voltage(V)	6.3	10	16	25	35	50	63	80	100	160~250	350~500
	tanδ (MAX)	0.24	0.20	0.16	0.15	0.12	0.10	0.09	0.08	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(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	1.40	1.50
	100~470	0.75	1.00	1.20	1.30
	>470	0.85	1.00	1.10	1.15
≥ 160	0.47~470	0.75	1.00	1.10	1.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

Production date:2024.03.01