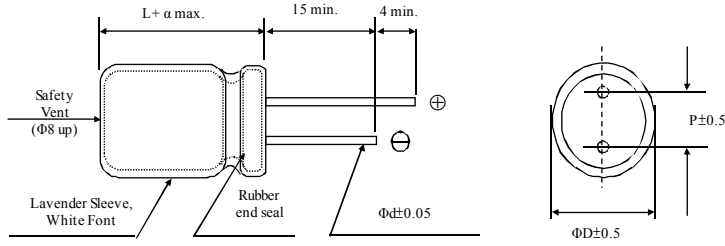


FOR APPROVAL

DIMENSIONS(mm)

ΦD	10
L	40
α	2.0
P	5.0
Φd	0.6



Customer: Ozdisan	Electrolytic Capacitors SGN Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	IMP	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	100KHz	100KHZ	Life
	SGN025M22G40PKKKS00A	2200	±20	25	32	105	10*40	550	17	2770	0.035	4000
			(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Ω)Max	(hours)

REMARKS:

- Leakage Current Test:** 6.3V~100V at 20°C for 2 minutes ;
- Operating temperature:** 6.3V~100V -55°C~ +105°C ;
- Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test :** at 105°C, 100K Hz ;
- Load Life:** 5000 hours, subjected to DC voltage with the rated ripple current is applied at 105°C .
(ΦD ≤ 6.3mm, 2000 hours; ΦD=8mm, 3000 hours; ΦD=10mm, 4000 hours).

Capacitance Change: Within±25% 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 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**

Leakage Current 洩漏電流	I ≤ 0.01CV or 3(uA) which is greater. (After 2 minutes application of DC working voltage, at 20°C)											
Dissipation Factor 散逸因素 (損失角正切) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rate Voltage(V)			6.3	10	16	25	35	50	100		
	tanδ (MAX)			0.24	0.20	0.16	0.15	0.12	0.10	0.09		
Standards 參照標準	JIS C-5101-4(IEC 60384)											

● **RIPPLE CURRENT COEFFICIENTS**

Frequency coefficient of allowable ripple current					
Capacitance(uF)	Frequency(Hz)				
	50	120	1k	10k	100k
≤ 33	0.45	0.55	0.75	0.90	1.00
47~330	0.60	0.70	0.85	0.95	1.00
470~1000	0.65	0.75	0.90	0.98	1.00
1200~6800	0.75	0.80	0.95	1.00	1.00

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.

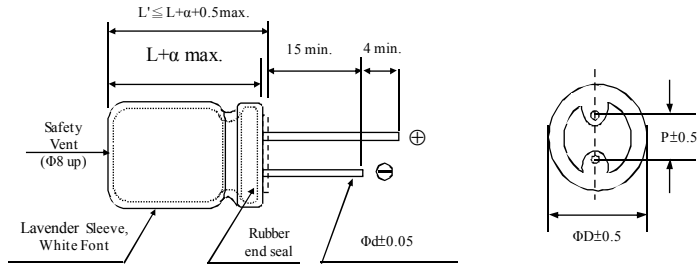
When long life performance is required in actual use, the rms ripple current has to be reduced.

Production date: 2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16	16
L	26	32
α	2.0	2.0
P	7.5	7.5
Φd	0.8	0.8



Customer: Ozdisan	Electrolytic Capacitors	Su'scon
	SGN 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 100KHz (mA rms)	IMP 100KHZ at 25°C (Ω)Max	Load Life (hours)
P/N	P/N											
	SGN025M332J26TKKKS00A	3300	±20	25	32	105	16*26	825	19	3520	0.026	5000
	SGN050M222J32TKKKS00A	2200	±20	50	63	105	16*32	1100	12	3600	0.035	5000

REMARKS:

- Leakage Current Test:** 6.3V~100V at 20°C for 2 minutes ;
- Operating temperature:** 6.3V~100V -55°C ~ +105°C ;
- Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test :** at 105°C, 100K Hz ;
- Load Life:** 5000 hours, subjected to DC voltage with the rated ripple current is applied at 105°C .
(ΦD ≤ 6.3mm, 2000 hours; ΦD=8mm, 3000 hours; ΦD=10mm, 4000 hours).

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 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 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.

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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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