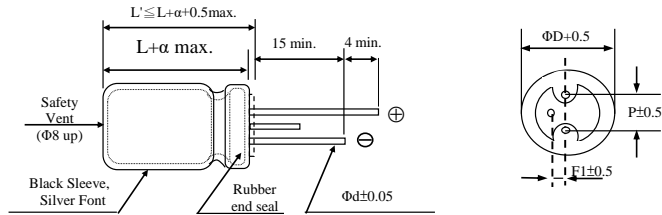


DONG GUAN KUAN KUN ELECTRONIC CO., LTD
 YIN HE INDUSTRIAL ZONE, QING XI TOWN, TEL: +86-769- 87318000
 DONG GUAN CITY, GUANG DONG CHINA (P.R.O.C) FAX: +86-769- 87318008

FOR APPROVAL

DIMENSIONS(mm)

ΦD	12.5	18
L	20	20
α	2.0	2.0
P	5.0	7.5
F1	2.5	3.75
Φd	0.8	0.8



Customer: Ozdisan		Electrolytic Capacitors SHG Series									Su'scon Code	
Electric Characteristics:												
Ozdisan 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 100 KHz (mA rms)	IMP 100KHz at 25°C (Ω)Max	Load Life (hours)
	SHG035Q471X20TE99S00A	470	+30 -10	35	44	125	12.5*20	164	12	1830	0.055	5000
	SHG070Q681K20TE99S00A	680	+30 -10	70	87	125	18*20	476	9	1900	0.100	5000

REMARKS:

- Leakage Current Test:** 10V ~100V at 20°C for 2 minutes ;
- Operating temperature:** 10V~100V -40°C ~ +125°C ;
- Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test:** at 125°C, 100 KHz ;
- Load Life:** 5000hours, subjected to DC voltage with the rated ripple current is applied at 125°C.

Capacitance Change: Within±30% of initial value;
tanδ: 300% 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 125°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±30% of initial value;
tanδ: 300% 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	10V~100V										
Leakage Current 洩漏電流	$I \leq 0.01CV \text{ or } 4(\mu\text{A}), \text{ Which is greater. (After 2 minutes application of working voltage)}$										
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency:120Hz. Temperature:20°C										
	Rate Voltage(V)	10	16	25	35	50	63	70	80	100	
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.09	0.08	0.08	
Add 0.02 per 1000uF for more than 1000uF											
Standards 參照標準	JIS C-5101-4(IEC 60384)										

●RIPPLE CURRENT COEFFICIENTS

Frequency coefficient of allowable ripple current				
Capacitance(uF)	Frequency(Hz)			
	50~60	120	1k	≥10k
220~330	0.55	0.65	0.85	1.00
390~1000	0.70	0.75	0.90	1.00
1200~8200	0.80	0.85	0.95	1.00

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every5°C rise.

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

Production date:2023.04.17