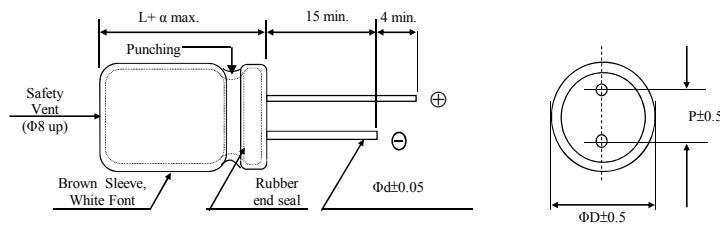


DONG GUAN KUAN KUN ELECTRONIC CO., LTD
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 DONG GUAN CITY, GUAN DONG CHINA (P.R.O.C) FAX: +86-769-87318008

FOR APPROVAL

DIMENSIONS(mm)

ΦD	5	6.3	8
L	11	11	12
α	1.0	1.0	1.0
P	2.0	2.5	3.5
Φd	0.5	0.5	0.5



Customer: Ozdisan	Electrolytic Capacitors HG Series										Suscon Code	

Electric Characteristics:

Ozdisan P/N	Suscon P/N	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size	Leakage Current Max (uA)	D.F. MAX (%)	R.C 100KHz (mA rms)	IMP 100KHz at 25°C(Ω)Max	Load Life (Hours)
	HG025M470D11PKKKS00A	47	±20	25	32	105	5*11	11	14	200	0.570	5000
	HG035M101E11PKKKS00A	100	±20	35	44	105	6.3*11	35	12	430	0.210	5000
	HG050M101F12PKKKS00A	100	±20	50	63	105	8*12	50	10	560	0.160	7000

REMARKS:

- 1. Leakage Current Test: 6.3V ~100V at 20°C for 2 minutes ;
- 2. Operating temperature: 6.3V~100V -40°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, 100K Hz ;
- 6. Load Life: subjected to DC voltage with the rated ripple current is applied at 105°C.
6.3~10V ΦD≤6.3Φ 4000 hours, ΦD=8,10Φ 6000 hours, ΦD≥13Φ 8000 hours;
16~100V ΦD≤6.3Φ 5000 hours, ΦD=8,10Φ 7000 hours, ΦD≥13Φ 10000 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 applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C5101-4.
- Capacitance Change : Within±20% of initial value;
- tanδ: 200% or less of initial specified value;
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)(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 63 100 tanδ (MAX) 0.22 0.19 0.16 0.14 0.12 0.10 0.09 0.08								
	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					
Capacitance(uF)	Frequency(Hz)				
	50	120	300	1K	100K
≤33	0.50	0.55	0.70	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
1200~18000	0.70	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.

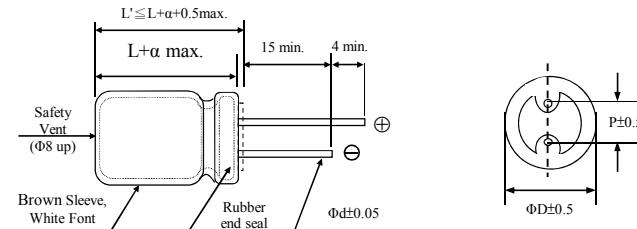
Production date:2023.04.17

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FOR APPROVAL

DIMENSIONS(mm)

ΦD	16	18
L	20	25
α	2.0	2.0
P	7.5	7.5
Φd	0.8	0.8



Customer:	Electrolytic Capacitors HG Series										Suscon
	Ozdisan	Code									

Electric Characteristics:

Ozdisan	Suscon	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											
	HG035M122J20TKKKS00A	1200	±20	35	44	105	16*20	420	12	2530	0.030	10000
	HG035M222K25TKKKS00A	2200	±20	35	44	105	18*25	770	14	3140	0.019	10000

REMARKS:

- 1. Leakage Current Test: 6.3V ~100V at 20°C for 2 minutes ;
- 2. Operating temperature: 6.3V~100V 40°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, 100K Hz ;
- 6. Load Life: subjected to DC voltage with the rated ripple current is applied at 105°C.
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