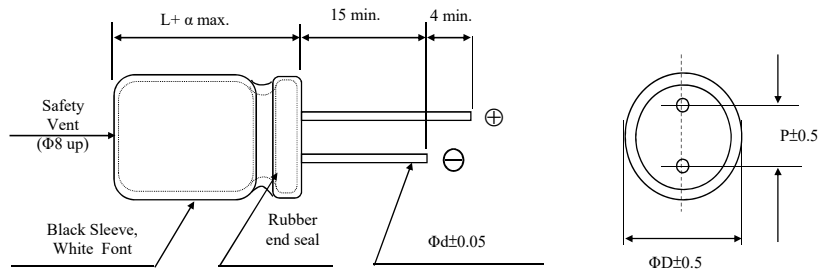


FOR APPROVAL

DIMENSIONS(mm)

| | |
|----|-----|
| ΦD | 10 |
| L | 16 |
| α | 2.0 |
| P | 5.0 |
| Φd | 0.6 |



| | | |
|-----------------------------|---|------------------------|
| Customer: Ozdisan | Electrolytic Capacitors SK Series | Su'scon 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 | | | | | | D*L(mm) | | | | |
| | SK016M122G16PKKKS00R | 1200 | ±20 | 16 | 20 | 105 | 10*16 | 192 | 16 | 620 | 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: | According to the specified value which stated in the catalogue to do the life testing; |
| 7. Shelf Life: | Initial specified value or less; |
| Capacitance Change : | According to the specified value which stated in the catalogue to do the life testing; |
| tanδ: | 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. |
| Leakage Current: | Within±20% of initial value; |
| 8. when have characteristic requested : | 200% or less of initial specified value; |
| | Initial specified value or less. |
| | 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 ≤ 0.01CV or 3 (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) | 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:2024.03.16