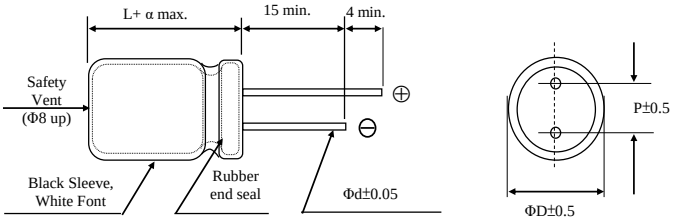
DONG GUAN KUAN KUN ELECTRONIC CO., LTD

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

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16
L	25
α	2.0
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors UK 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. (℃)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	ESR 120Hz at 25℃ (Ω)Max	Load Life (Hours)
	UK160M221J25PE99S00A	220	±20	160	200	105	16*25	1076	15	900	1.00	3000

REMARKS:

1. Leakage Current Test: **6.3V ~100V for 2 minutes ; 160V ~450V for 3 minutes ;**
2. Operating temperature : **6.3V~250V -40℃~+105℃; 350V~500V -25℃~+105℃**
3. Dissipation Factor Test: **at 20 ℃, 120 Hz.**
4. Capacitance Test: **at 20 ℃, 120 Hz.**
5. Ripple Current Test : **at 105 ℃, 120 Hz ;**
6. Load Life: **3000 hours,subjected to DC voltage with the rated ripple current is applied at 105℃.**
Capacitance Change: **Within±20% 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 ℃ after exposing them for 1000 hours 105℃ 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 工作電壓范圍	6.3V~100V					160V~250V			350V~450V		
Leakage Current 洩漏電流	I≦0.01CVor3(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） (tan δ)	Measurement Frequency:120Hz. Temperature: 20℃										
	Rate Voltage(V)	6.3	10	16	25	35	50	63	80	100	160	350~450
	tanδ（MAX）	0.24	0.20	0.16	0.15	0.12	0.10	0.09	0.08	0.08	0.15	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	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≧160	0.47~1000	0.85	1.00	1.40	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℃ 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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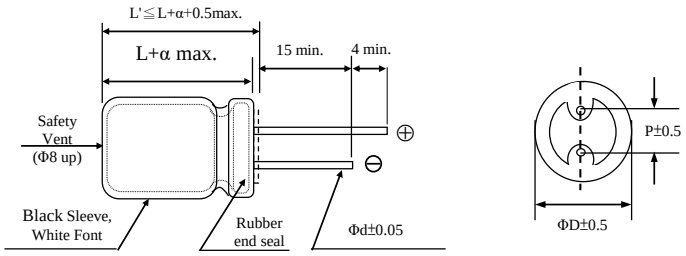
DIMENSIONS(mm)

ΦD	16	16
L	26	30
α	2.0	2.0
P	7.5	7.5
Φd	0.8	0.8



Customer: Ozdisan	Electrolytic Capacitors UK 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. (℃)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	Load Life (Hours)
	UK200M221J30TE99S00A	220	±20	200	250	105	16*30	1340	20	780	3000
	UK450M470J26TE99S00A	47	±20	450	500	105	16*26	654	25	435	3000

REMARKS:

1. Leakage Current Test: **6.3V ~100V for 2 minutes ; 160V ~450V for 3 minutes ;**

2. Operating temperature : **200V,450V -40℃~+105℃**

3. Dissipation Factor Test: **at 20 ℃, 120 Hz.**

4. Capacitance Test: **at 20 ℃, 120 Hz.**

5. Ripple Current Test : **at 105 ℃, 120 Hz ;**

6. Load Life: **3000 hours,subjected to DC voltage with the rated ripple current is applied at 105℃.**

Capacitance Change: **Within±20% 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 ℃ after exposing them for 1000 hours 105℃ 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;**

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Voltage Range 工作電壓范圍	6.3V~100V						160V~250V			350V~450V		
Leakage Current 洩漏電流	I≦0.01CVor3(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） (tan δ)	Measurement Frequency:120Hz. Temperature: 20℃											
	Rate Voltage(V)	6.3	10	16	25	35	50	63	80	100	160~250	350~450
	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 参照標準	JIS C-5101-4(IEC 60384)											

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Frequency coefficient of allowable ripple current

Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
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≦100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≧160	0.47~1000	0.85	1.00	1.40	1.50

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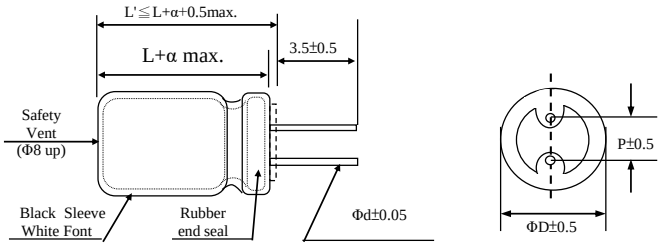

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	UK200M221J30TE99C35A	220	±20	200	250	105	16*30	1340	20	780	3000

REMARKS:

1. Leakage Current Test: **6.3V ~100V for 2 minutes ; 160V ~500V for 3 minutes ;**
2. Operating temperature : **6.3V~250V -40℃~+105℃; 350V~500V -25℃~+105℃**
3. Dissipation Factor Test: **at 20 ℃, 120 Hz.**
4. Capacitance Test: **at 20 ℃, 120 Hz.**
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