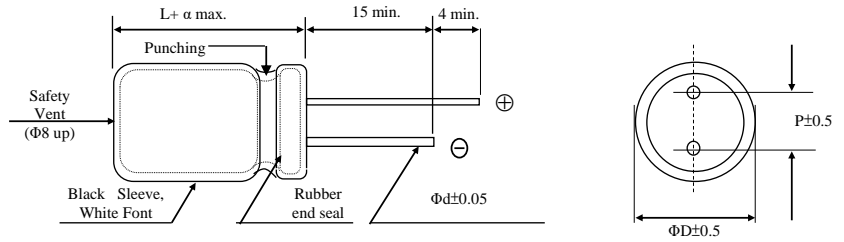


FOR APPROVAL

DIMENSIONS(mm)

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



Customer: Ozdisan	Electrolytic Capacitors SK Series	Su'scon Code
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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 120 Hz (mA rms)	Load Life (hours)
	SK025M470D11PKKKS00A	47	±20	25	32	105	5*11	11	15	97	2000
	SK035M101E11PKKKS00A	100	±20	35	44	105	6.3*11	35	12	178	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:	According to the specified value which stated in the catalogue to do the life testing;
	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

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)											
Dissipation Factor 散逸因素 (損失角 (tan δ)	Measurement Frequency:120Hz. Temperature:20°C											
	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

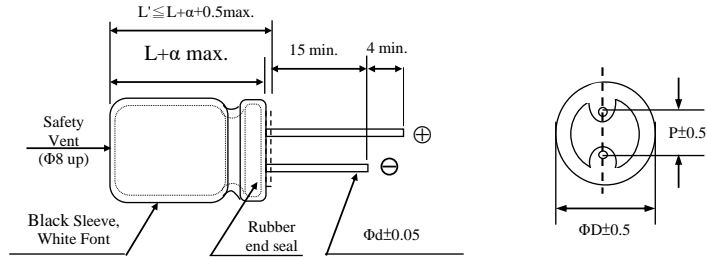
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1K	≥20k
≤ 100	<100	0.75	1.00	1.40	1.50
	100~470	0.75	1.00	1.20	1.30
	>470	0.85	1.00	1.10	1.15
≥ 160	0.47~470	0.75	1.00	1.10	1.50

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.

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16
L	32
α	2.0
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors SK Series	Su'scon Code
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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 120 Hz (mA rms)	Load Life (hours)
	SK035M332J32TKKKS00A	3300	±20	35	44	105	16*32	1155	16	1380	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:	According to the specified value which stated in the catalogue to do the life testing;
	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

Voltage Range 工作電壓範圍	6.3V~100V	160V~500V										
Leakage Current 洩漏電流	$I \leq 0.01CV \text{ or } 3(uA)$, Which is greater.(After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$, (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角 (tan δ)	Measurement Frequency:120Hz. Temperature:20°C											
	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

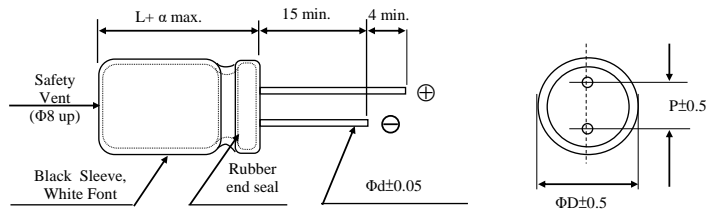
The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	10	18
L	16	35
α	2.0	1.0
P	5.0	7.5
Φd	0.6	0.8



Customer: Ozdisan	Electrolytic Capacitors	Su'scon
	SK Series	Code

Electric Characteristics:											
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	120 Hz	Life
	SK063M222K35PE99S00A	2200	±20	63	79	105	18*35	1386	11	1997	2000
	SK160M220G16PKKKS00A	22	±20	160	200	105	10*16	125	20	145	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	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$, (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角 tan δ)	Measurement Frequency:120Hz. Temperature:20°C											
	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

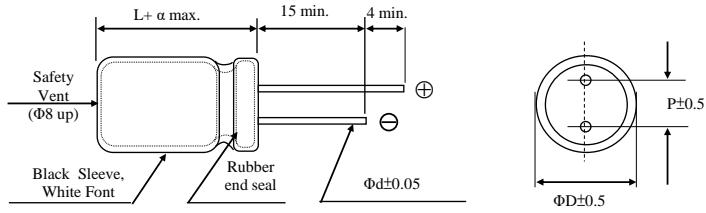
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1K	≥20k
≤ 100	<100	0.75	1.00	1.40	1.50
	100~470	0.75	1.00	1.20	1.30
	>470	0.85	1.00	1.10	1.15
≥ 160	0.47~470	0.75	1.00	1.10	1.50

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:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	18
L	32
α	2.0
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors	Su'scon
	SK Series	Code

Electric Characteristics:											
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	120 Hz	Life
	SK400M121K32PE99S00A	120	±20	400	450	105	18*32	1460	25	715	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:	400V -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, 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)											
Dissipation Factor 散逸因素 (損失角 (tan δ)	I ≤ 0.03CV + 20(uA), (After 3 minutes application of working voltage)											
	Measurement Frequency:120Hz. Temperature:20°C											
	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
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	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:2023.04.17