

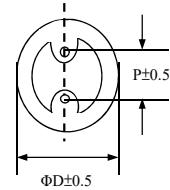
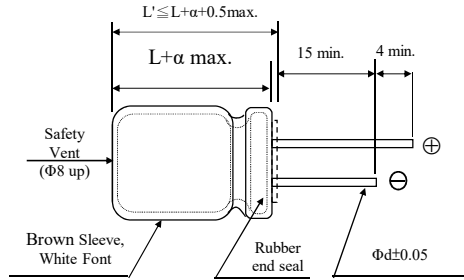
Su'scon

DONG GUAN KUAN KUN ELECTRONIC CO., LTD
YIN HE INDUSTRIAL ZONE, QING XI TOWN, TEL:+86-769- 7318000
DONG GUAN CITY, GUAN DONG CHINA (P.R.O.C) FAX:+86-769- 7318008

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16	18
L	25	35
α	2.0	2.0
P	7.5	7.5
Φd	0.8	0.8



Customer:	Ozdisan	Aluminum Electrolytic Capacitors MF Series	Su'scon Code
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Electric Characteristics:													
Ozdisan	Su'scon	Cap. (uF)	Cap. Tol.	Rate Volt.	Surge Volt.	Oper. Temp.	Nominal Case Size	Leakage Current	D.F. MAX	R.C 100KHz	IMP 100KHz	Load	
P/N	P/N		(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Ω)Max	(H)	
	MF035M222J25TKKKS00R	2200	±20	35	44	105	16*25	770	14	2450	0.025	5000	
	MF035M472K35TKKKS00R	4700	±20	35	44	105	18*35	1645	18	3650	0.020	5000	

REMARKS:	
1. Leakage Current Test:	6.3V ~100V at 20°C for 2 minutes ; 160V ~450V at 20°C for 5 minutes ;
2. Operating temperature:	6.3V~400V -40°C~ +105°C ; 450V -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, 100K Hz ;
6. Load Life:	5000 hours, subjected to DC voltage with the rated ripple current is applied at 105°C. (ΦD≤6.3Φ, 2000hrs; ΦD=8mm, 3000hrs).
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°C after 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:	150% 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	6.3~100V							160~450V					
Leakage Current 洩漏電流	WV≤100V, I≤0.01CV or 3uA (After 2 minutes application of DC working voltage, at 20℃)							WV>100V, I≤0.03CV+20(uA), (After 5 minutes application of DC working voltage, at 20℃)					
Dissipation Factor 散逸因素（損失角正切 (tan δ)	Measurement Frequency:120Hz. Temperature: 20℃												
	Rate Voltage(V)	6.3	10	16	25	35	50	63~80	100	120~250	350	400	450
	tanδ (MAX)	0.20	0.17	0.16	0.14	0.12	0.10	0.08	0.08	0.15	0.20	0.25	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	10k	100k							
6.3~100	10~150	0.60	0.70	0.85	0.95	1.00							
	220~1800	0.65	0.75	0.90	0.98	1.00							
	2200~15000	0.75	0.80	1.00	1.00	1.00							
160~450	1~330	0.55	0.65	0.80	0.90	1.00							

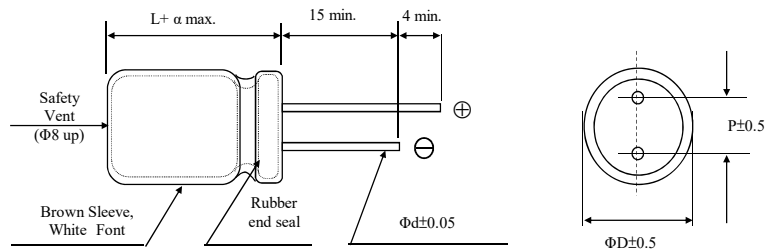
The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise.
When long life performance is required in actual use, the rms ripple current has to be reduced.
Production date:2024.12.20

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FOR APPROVAL**DIMENSIONS(mm)**

ΦD	22
L	40
α	2.0
P	10.0
Φd	0.8



Customer:		Aluminum Electrolytic Capacitors								Su'scon		
Ozdisan		MF Series								Code		
Electric Characteristics:												
Ozdisan	Su'scon	Cap. (uF)	Cap. Tol.	Rate Volt.	Surge Volt.	Oper. Temp.	Nominal Case Size	Leakage Current	D.F. MAX	R.C 100KHz	IMP 100KHz	Load Life
P/N	P/N		(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Ω)Max	(H)
	MF050M472M40PKKS00R	4700	±20	50	63	105	22*40	2350	16	3800	0.016	5000

REMARKS:

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 - Operating temperature:** 6.3V~400V -40°C~ +105°C ; 450V -25°C~ +105°C ;
 - Dissipation Factor Test:** at 20°C, 120 Hz.
 - Capacitance Test:** at 20°C, 120 Hz.
 - Ripple Current Test:** at 105°C, 100K Hz ;
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(ΦD≤6.3Φ, 2000hrs; ΦD=8mm, 3000hrs).
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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;
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