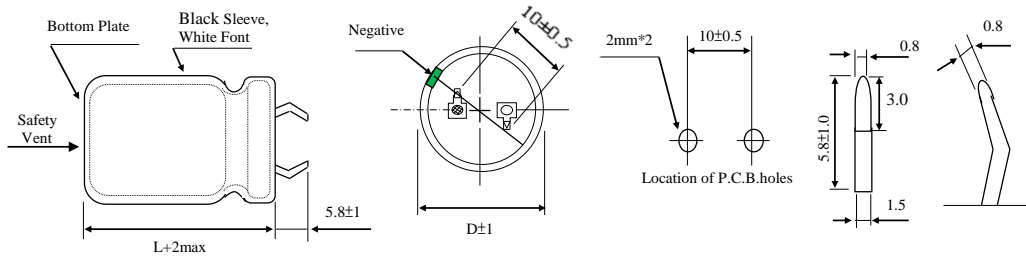


DIMENSIONS(mm)

## FOR APPROVAL



<b>Customer:</b> Ozdisan		<b>Electrolytic Capacitors</b> <b>MZ Series</b>									
<b>Electric Characteristics:</b>											
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 (%)	Max.Ripple Current ( A )	Load Life (Hours)
P/N	P/N										
	MZ035M472M300KKKYLOA	4700	±20	35	44	105	22*30	1216	28	1.45	5000

**REMARKS:**

<b>1. Leakage Current Test:</b>	at 20°C for 5 minutes .
<b>2. Operating temperature:</b>	10V~100V -40°C ~ + 105°C ;160V~500V -25°C ~ + 105°C
<b>3. Dissipation Factor Test:</b>	at 20°C, 120 Hz.
<b>4. Capacitance Test:</b>	at 20°C, 120 Hz.
<b>5. Ripple Current Test:</b>	at 105°C, 120 Hz .
<b>6. Load Life:</b>	5000 hours, subjected to DC voltage with the rated ripple current is applied at 105°C.
<b>Capacitance Change:</b>	Within±20% of initial value;
<b>tanδ:</b>	200% or less of initial specified value;
<b>Leakage Current:</b>	Initial specified value or less;
<b>7. Shelf Life:</b>	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.
<b>Capacitance Change :</b>	Within±15% of initial value;
<b>tanδ:</b>	200% or less of initial specified value;
<b>Leakage Current:</b>	Initial specified value or less.
<b>8. when have characteristic requested:</b>	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Leakage Current 洩漏電流	$I \leq 3\sqrt{CV}$ (uA), Which is greater. (After 5 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)	10	16	25	35	50	63	80~100	160~400	420~500	
	tanδ ( MAX)	0.60	0.45	0.30	0.25	0.20	0.15	0.15	0.15	0.20	
When nominal capacitance over 1000µF, tanδ shall be added 0.01 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)	Frequency(Hz)				
	50	120	1k	10k	50k
10~100	0.90	1.00	1.05	1.10	1.15
160~250	0.80	1.00	1.15	1.45	1.50
315~500	0.76	1.00	1.14	1.40	1.42

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