

MX_Y SERIES

Low Profile with Horizontal Mounting

◆ FEATURES

- Load Life : 105°C 3000 hours with horizontal mounting.
- Suitable for flat equipment design.
- RoHS compliance.



◆ SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25~+105℃								
Rated Voltage Range	160V~400V.DC								
Capacitance Tolerance	±20% (20℃, 120Hz)								
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) V=Rated Voltage(V) C=Rated Capacitance(μF)								
Dissipation Factor(MAX) (tan δ)	0.15 (20℃, 120Hz)								
Impedance Ratio(MAX)	<table><tr><td>(V) Rated Voltage</td><td>160~250</td><td>400</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table> (120Hz)			(V) Rated Voltage	160~250	400	Z(-25℃)/Z(20℃)	3	8
(V) Rated Voltage	160~250	400							
Z(-25℃)/Z(20℃)	3	8							
Endurance	After applying rated voltage with rated ripple current for 3000hrs at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>			Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.
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Dissipation Factor	Not more than 200% of the specified value.								
Leakage Current	Not more than the specified value.								

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k $\leq$
Coefficient	160~250VV	0.80	1.00	1.10	1.14	1.18
	400VV	0.80	1.00	1.05	1.10	1.15

◆PART NUMBER

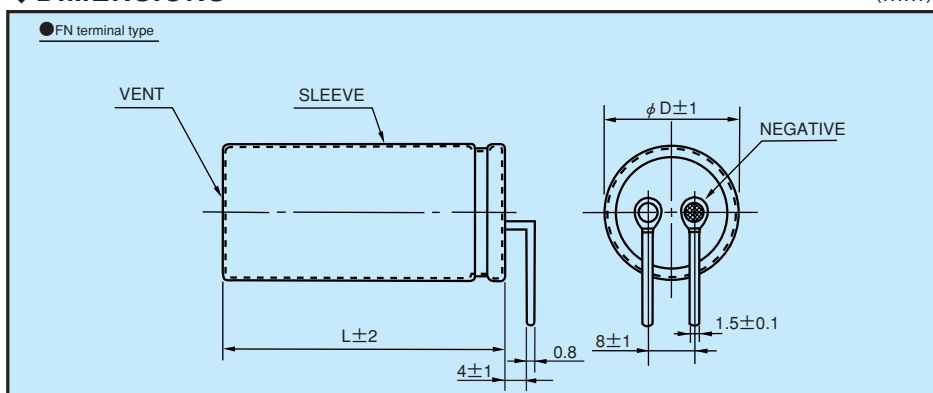
□□□	MXY	□□□□□	□	OOE	FN	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆ Option

	Code
without plate	OOE
with plate	Blank

◆ DIMENSIONS

(mm)



◆STANDARD SIZE, RATED RIPPLE CURRENT

Cap(μ F)	160		200		250		315		400		500	
	ϕ 20	ϕ 22	ϕ 25	ϕ 20	ϕ 22	ϕ 25	ϕ 20	ϕ 22	ϕ 25	ϕ 20	ϕ 22	ϕ 25
270				20×30	0.97							
330	20×30	1.02		20×35	1.17		22×30	1.20				
390	20×35	1.15	22×30	1.17			20×40	1.27	22×35	1.30		
470	20×40	1.25	22×30	1.28			20×45	1.41	22×40	1.44		
560	20×45	1.42	22×35	1.45			20×55	1.56	22×45	1.60	25×35	1.60
680	20×50	1.60	22×40	1.64	25×35	1.70	20×60	1.71	22×50	1.75	25×40	1.76
820	20×55	1.81	22×45	1.85	25×40	1.92			22×60	2.10	25×45	2.10
1000			22×55	2.10	25×45	2.17					25×50	2.36
1200					25×50	2.43						
1500					25×60	2.62						

Cap(μ F)	250		315		400		500		630		800	
	ϕ 20	ϕ 22	ϕ 25	ϕ 20	ϕ 22	ϕ 25	ϕ 20	ϕ 22	ϕ 25	ϕ 20	ϕ 22	ϕ 25
68				20×30	0.48							
82				20×30	0.54							
100				20×35	0.60	22×30	0.62					
120				20×40	0.71	22×35	0.73					
150				20×45	0.83	22×40	0.85	25×35	0.85			
180	20×30	0.82		20×55	0.93	22×45	0.95	25×35	0.92			
220	20×35	0.95	22×30	0.97			22×50	1.08	25×40	1.05		
270	20×40	1.08	22×35	1.11			22×60	1.20	25×50	1.29		
330	20×45	1.23	22×40	1.26					25×60	1.41		
390	20×50	1.38	22×45	1.41	25×35	1.42						
470	20×60	1.54	22×50	1.58	25×40	1.61						
560			22×55	1.80	25×45	1.80						
680					25×50	2.03						
820					25×60	2.26						

↑ Ripple Current (A r.m.s./120Hz, 105℃)
 ↑ Case Size ϕ D×L(mm)