

MXH SERIES
105°C Miniaturized, Snap-in Terminal Type
◆FEATURES

- Load Life : 105°C 2000 hours.
- Smaller size than MXG series.
- RoHS compliance.


◆SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25~+105℃								
Rated Voltage Range	400~500V.DC								
Capacitance Tolerance	±20% (20℃,120Hz)								
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)								
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (V)</td><td>400~450</td><td>500</td></tr><tr><td>tanδ</td><td>0.20</td><td>0.25</td></tr></table>	Rated Voltage (V)	400~450	500	tanδ	0.20	0.25	(20℃,120Hz)	
Rated Voltage (V)	400~450	500							
tanδ	0.20	0.25							
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements.								
	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.						
Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>400~450</td><td>500</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>8</td><td>12</td></tr></table>	Rated Voltage (V)	400~450	500	Z(-25℃)/Z(20℃)	8	12	(120Hz)	
	Rated Voltage (V)	400~450	500						
Z(-25℃)/Z(20℃)	8	12							

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient	0.80	1.00	1.20	1.25	1.40

◆PART NUMBER

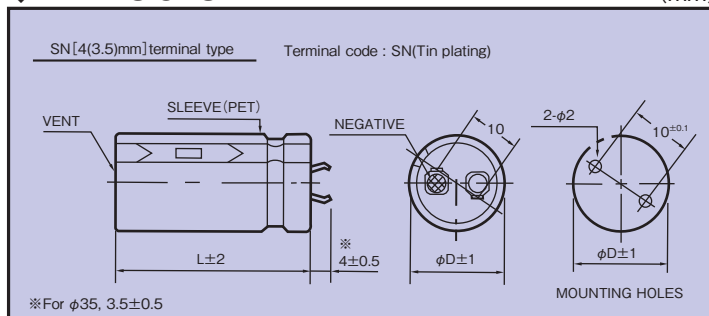
	MXH		M		SN	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆OPTION

	Code
PET Sleeve without plate	EFC

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap(μF) φD	V.DC	400						
	φ22		φ25		φ30		φ35	
120	22×25	0.75						
150	22×30	0.88						
180	22×30	0.95	25×25	0.95				
220	22×35	1.10	25×30	1.10				
270	22×40	1.22	25×35	1.22	30×25	1.22		
330	22×50	1.44	25×40	1.44	30×30	1.44	35×25	1.44
390			25×45	1.55	30×35	1.55	35×30	1.55
470			25×50	1.68	30×40	1.68	35×30	1.68
560					30×45	1.90	35×35	1.90
680					30×50	2.12	35×40	2.12
820							35×45	2.30

V.DC Cap(μF) φD	420							
	φ22		φ25		φ30		φ35	
100	22×25	0.66						
120	22×30	0.81						
150	22×30	0.84	25×25	0.84				
180	22×35	0.91	25×30	0.91				
220	22×40	1.05	25×30	1.05	30×25	1.05		
270	22×50	1.25	25×35	1.25	30×30	1.25	35×25	1.25
330			25×45	1.42	30×35	1.42	35×30	1.42
390			25×50	1.61	30×40	1.61	35×30	1.61
470					30×45	1.86	35×35	1.86
560					30×50	2.10	35×40	2.10
680							35×45	2.20

Cap(μF) φD	V.DC		450						
	φ22		φ25		φ30		φ35		
100	22×25	0.69							
120	22×30	0.72	25×25	0.72					
150	22×35	0.79	25×30	0.79					
180	22×40	0.87	25×30	0.87	30×25	0.87			
220	22×45	1.05	25×35	1.05	30×30	1.05			
270	22×50	1.23	25×40	1.23	30×30	1.23	35×25	1.23	
330			25×50	1.38	30×35	1.38	35×30	1.38	
390					30×40	1.61	35×35	1.61	
470					30×45	1.78	35×40	1.78	
560							35×45	1.99	
680							35×50	2.10	

V.DC Cap(μF) φD	500							
	φ22		φ25		φ30		φ35	
56	22×25	0.53						
68	22×30	0.63						
82	22×30	0.72	25×25	0.61				
100	22×35	0.82	25×30	0.73				
120	22×40	0.92	25×35	0.85	30×25	0.85		
150	22×50	1.03	25×40	0.98	30×30	1.00	35×25	0.99
180			25×45	1.11	30×35	1.14	35×30	1.15
220			25×50	1.24	30×40	1.30	35×35	1.32
270					30×45	1.45	35×35	1.46
330					30×50	1.62	35×40	1.64
390							35×50	1.85

↑
Ripple Current (A r.m.s./120Hz, 105°C)
↑
Case Size φD×L(mm)