

MXH SERIES

UPGRADE

105°C Ultra 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°C		
Rated Voltage Range	400, 420, 450V.DC		
Capacitance Tolerance	±20%(20°C, 120Hz)		
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I =Leakage Current(µA) V =Rated Voltage(V) C =Rated Capacitance(µF)		
Dissipation Factor(MAX) (tanδ)	Rated Voltage(V)	400~450	(20°C, 120Hz)
	tanδ	0.20	
Impedance Ratio(MAX)	Rated Voltage(V)	400~450	(120Hz)
	$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$	8	
Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 105°C, 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.	

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆ PART NUMBER

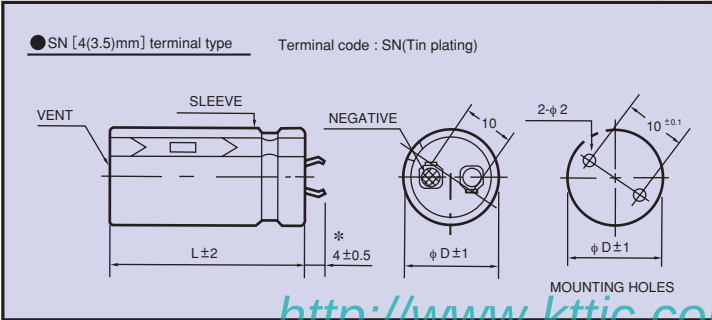
 MXH SN D×L
Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Terminal Code Case Size

◆ Option

	Code
PET Sleeve without plate	EFC
PVC Sleeve without plate	OOE

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE, RATED RIPPLE CURRENT

Cap (μ F)	WV ϕ D	400							
		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
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	

Cap (μ F)	WV ϕ D	420							
		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
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 (μ F)	WV ϕ D	450							
		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
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	

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