MXH SERIES UPGRADE

105℃ Miniaturized

•Load Life : 105℃ 2000 hours.

RoHS compliance

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	400～550Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=3$\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc) 400～450 475～550 / tanδ 0.20 0.25 (20℃,120Hz)
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)	Rated Voltage (Vdc) 400～450 475～550 / Z(−25℃)/Z(20℃) 8 12 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120(100)	300	500	1k	10k≦
Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

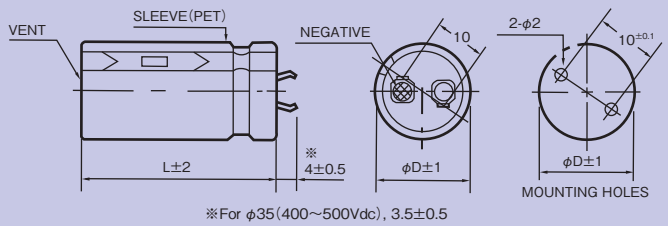
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS (mm)

●SN[4(3.5)mm]terminal type Terminal code : SN(Tin plating)



※For φ35(400～500Vdc), 3.5±0.5

◆STANDARD SIZE

Vdc / φD / Cap(μF)	400								420							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
100									22×25	0.85						
120	22×25	0.92							22×30	0.98						
150	22×30	1.08							22×30	1.06	25×25	1.04				
180	22×30	1.15	25×25	1.12					22×35	1.20	25×30	1.20				
220	22×35	1.32	25×30	1.30					22×40	1.37	25×30	1.28	30×25	1.24		
270	22×40	1.50	25×35	1.49	30×25	1.33			22×50	1.62	25×35	1.47	30×30	1.44	35×25	1.32
330	22×50	1.76	25×40	1.68	30×30	1.55	35×25	1.44	22×60	1.87	25×45	1.75	30×35	1.65	35×30	1.56
390	22×55	1.94	25×45	1.86	30×35	1.75	35×30	1.63			25×50	1.93	30×40	1.84	35×30	1.62
470			25×50	2.07	30×40	1.97	35×30	1.68			25×60	2.21	30×45	2.05	35×35	1.86
560			25×60	2.37	30×45	2.18	35×35	1.92					30×50	2.25	35×40	2.10
680					30×50	2.41	35×40	2.15					30×60	2.59	35×45	2.29
820					30×60	2.76	35×45	2.37							35×50	2.50
1000							35×55	2.78							35×60	2.88
1200							35×60	2.95								

Vdc / φD / Cap(μF)	450								475							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
68									22×25	0.67						
82									22×30	0.77						
100	22×25	0.85							22×35	0.88	25×25	0.83				
120	22×30	0.98	25×25	0.96					22×40	0.99	25×30	0.96				
150	22×35	1.13	25×30	1.12					22×45	1.14	25×35	1.10	30×25	1.04		
180	22×40	1.28	25×30	1.20	30×25	1.18			22×50	1.27	25×40	1.24	30×30	1.19	35×25	1.15
220	22×45	1.44	25×35	1.37	30×30	1.36			22×60	1.47	25×45	1.40	30×35	1.36	35×30	1.33
270	22×50	1.61	25×40	1.56	30×30	1.44	35×25	1.33			25×55	1.62	30×40	1.54	35×35	1.52
330	22×60	1.86	25×50	1.82	30×35	1.64	35×30	1.54					30×45	1.73	35×40	1.71
390			25×55	2.01	30×40	1.83	35×35	1.76					30×55	1.98	35×40	1.79
470			25×60	2.21	30×45	2.05	35×40	1.97					30×60	2.18	35×50	2.09
560					30×50	2.26	35×45	2.18							35×55	2.29
680					30×60	2.59	35×50	2.38								
820							35×60	2.74								

Vdc / φD / Cap(μF)	500								550			
	φ22		φ25		φ30		φ35		φ30		φ35	
56	22×25	0.63										
68	22×30	0.72										
82	22×30	0.80	25×25	0.78								
100	22×35	0.92	25×30	0.90					30×25	0.8		
120	22×40	1.03	25×35	1.02	30×25	0.97			30×30	0.93	35×25	0.92
150	22×50	1.20	25×40	1.17	30×30	1.13	35×25	1.09	30×35	1.07	35×30	1.05
180	22×60	1.37	25×45	1.31	30×35	1.28	35×30	1.26	30×40	1.21	35×30	1.14
220			25×50	1.46	30×40	1.45	35×35	1.44	30×45	1.36	35×35	1.3
270			25×60	1.70	30×45	1.63	35×35	1.52	30×55	1.57	35×40	1.47
330					30×50	1.81	35×40	1.71			35×50	1.72
390					30×60	2.06	35×50	1.99			35×55	1.88
470							35×55	2.19				

Ripple Current (A r.m.s./120Hz, 105℃)

Case Size φD×L(mm)