



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MXH SERIES

UPGRADE

105°C Miniaturized

*Load Life : 105°C 2000 hours.

RoHS compliance



◆SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25~+105°C								
Rated Voltage Range	400~550Vdc								
Capacitance Tolerance	±20% (20°C, 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)	<table border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>400~450</td> <td>475~550</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.20</td> <td>0.25</td> <td></td> </tr> </table>	Rated Voltage (Vdc)	400~450	475~550	(20°C, 120Hz)	tanδ	0.20	0.25	
Rated Voltage (Vdc)	400~450	475~550	(20°C, 120Hz)						
tanδ	0.20	0.25							
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <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.		
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 border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>400~450</td> <td>475~550</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C) / Z(20°C)</td> <td>8</td> <td>12</td> <td></td> </tr> </table>	Rated Voltage (Vdc)	400~450	475~550	(120Hz)	Z(-25°C) / Z(20°C)	8	12	
Rated Voltage (Vdc)	400~450	475~550	(120Hz)						
Z(-25°C) / Z(20°C)	8	12							

◆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

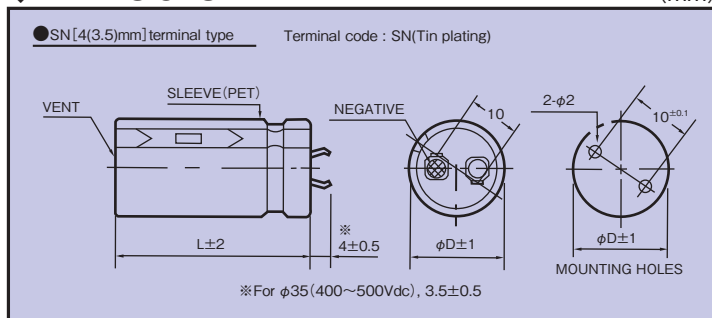
	Code
PET Sleeve without plate	EFC

◆PART NUMBER



◆DIMENSIONS

(mm)



◆ STANDARD SIZE

Vdc Cap(μF) φD	400							420								
	φ22	φ25	φ30	φ35	φ30	φ25	φ22	φ22	φ25	φ30	φ35	φ30	φ25	φ22		
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 Cap(μF) φD	450							475							
	φ22	φ25	φ30	φ35	φ30	φ25	φ22	φ22	φ25	φ30	φ35	φ30	φ25	φ22	
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 Cap(μF) φD	500							550				
	φ22	φ25	φ30	φ35	φ30	φ25	φ22	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°C)
Case Size φD×L(mm)