



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!



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MPH SERIES

◆FEATURES

- Small and low E.S.R, compared with MPS series.
- Low buzz.
- For applications where high frequency, high current are required. (Switching power supply, lighting Inverter, etc)
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

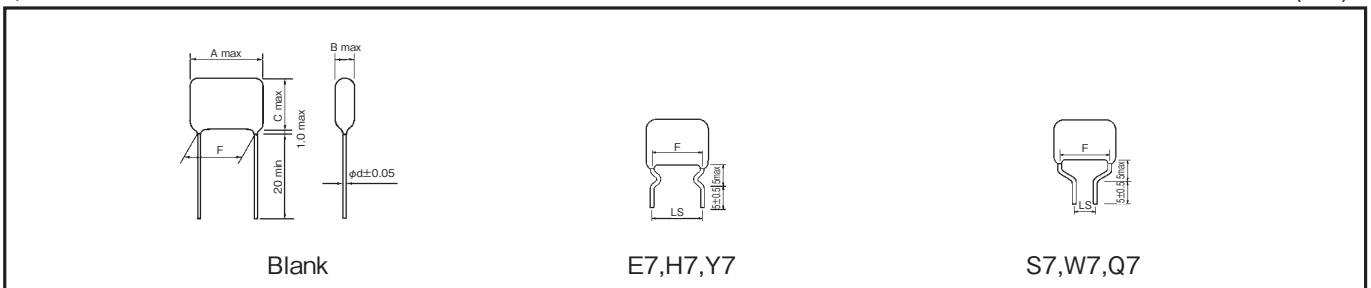


◆SPECIFICATIONS

Category Temperature Range	-40°C~+105°C
Rated Voltage (U _R)	250VDC, 450VDC, 630VDC
Capacitance Tolerance	±3%(H), ±5%(J), ±10%(K)
tanδ	0.001max at 1kHz
Voltage Proof	U _R ×150% 60s
Insulation Resistance	C≤0.33μF: 25000MΩmin C>0.33μF: 7500ΩFmin
Reference Standard	JIS C 5101-16, JIS C 5101-1

◆OUTLINE

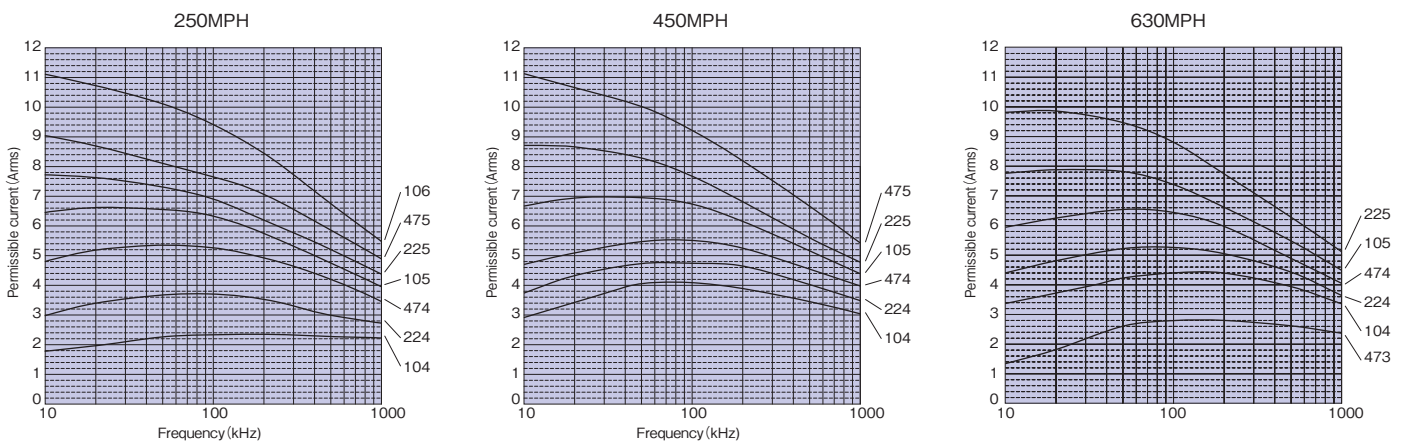
(mm)



◆PART NUMBER



◆PERMISSIBLE CURRENT FOR FREQUENCY



◆ STANDARD SIZE

□ : Tolerance ** : Suffix

Rated Voltage	Cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)								Part No.
		A	B	C	F±1.0	LS±0.5	d	Long Lead type		Taping Ammo Pack Type - Style						
								Bag	Carton	TC	TX, TH	TL, TJ	TN	TS		
250 VDC	0.1	10.5	7.0	13.5	7.5	5.0/7.5	0.6	100	3,000	—	—	—	—	—	250MPH104□**	
	0.12	10.5	8.0	14.0	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—	250MPH124□**	
	0.15	10.5	8.5	15.0	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—	250MPH154□**	
	0.18	10.5	9.0	15.5	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—	250MPH184□**	
	0.22	10.5	8.5	14.5	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—	250MPH224□**	
	0.27	10.5	8.5	16.5	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—	250MPH274□**	
	0.33	10.5	9.0	17.0	7.5	5.0/7.5	0.6	100	1,000	—	—	—	—	—	250MPH334□**	
	0.39	13.0	8.0	16.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	—	—	—	—	250MPH394□**	
	0.47	13.0	9.0	17.0	10.0	5.0/7.5/10.0	0.8	100	1,000	—	—	—	—	—	250MPH474□**	
	0.56	13.0	10.0	18.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	250MPH564□**	
	0.68	13.0	11.0	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	250MPH684□**	
	0.82	13.0	12.0	20.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	250MPH824□**	
	1	13.0	13.0	21.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	250MPH105□**	
	1.2	13.0	14.5	22.0	10.0	5.0/7.5/10.0	0.8	200	800	—	—	—	—	—	250MPH125□**	
	1.5	13.0	15.0	24.0	10.0	5.0/7.5/10.0	0.8	200	800	—	—	—	—	—	250MPH155□**	
	1.8	18.5	13.0	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	250MPH185□**	
	2.2	18.5	14.0	21.5	15.0	7.5/10.0/15.0	0.8	100	500	—	—	—	—	—	250MPH225□**	
	2.7	18.5	16.0	23.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH275□**	
	3.3	18.5	17.0	26.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH335□**	
	3.9	18.5	18.5	28.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH395□**	
4.7	18.5	20.5	29.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH475□**		
5.6	23.5	18.5	28.0	20.0	20.0	1.0	100	400	—	—	—	—	—	250MPH565□**		
6.8	23.5	19.5	30.0	20.0	20.0	1.0	100	300	—	—	—	—	—	250MPH685□**		
8.2	23.5	22.0	32.5	20.0	20.0	1.0	100	300	—	—	—	—	—	250MPH825□**		
10	23.5	24.5	33.5	20.0	20.0	1.0	100	300	—	—	—	—	—	250MPH106□**		
450 VDC	0.1	10.5	8.5	14.5	7.5	5.0/7.5	0.8	100	2,000	—	—	—	—	—	450MPH104□**	
	0.12	10.5	9.5	15.5	7.5	5.0/7.5	0.8	100	2,000	—	—	—	—	—	450MPH124□**	
	0.15	13.0	8.5	14.5	10.0	5.0/7.5/10.0	0.8	100	2,000	—	—	—	—	—	450MPH154□**	
	0.18	13.0	9.0	15.0	10.0	5.0/7.5/10.0	0.8	100	2,000	—	—	—	—	—	450MPH184□**	
	0.22	13.0	9.5	16.0	10.0	5.0/7.5/10.0	0.8	100	1,000	—	—	—	—	—	450MPH224□**	
	0.27	13.0	10.5	18.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	450MPH274□**	
	0.33	13.0	11.5	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	450MPH334□**	
	0.39	13.0	12.5	19.5	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	450MPH394□**	
	0.47	13.0	13.5	21.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	450MPH474□**	
	0.56	18.5	11.0	18.5	15.0	7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	450MPH564□**	
	0.68	18.5	12.5	19.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	450MPH684□**	
	0.82	18.5	13.5	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	450MPH824□**	
	1	18.5	15.0	22.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH105□**	
	1.2	18.5	15.5	24.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH125□**	
	1.5	18.5	17.5	26.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH155□**	
	1.8	18.5	19.0	27.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH185□**	
2.2	18.5	21.0	30.5	15.0	7.5/10.0/15.0	1.0	100	400	—	—	—	—	—	450MPH225□**		
2.7	23.5	19.0	29.0	20.0	20.0	1.0	100	400	—	—	—	—	—	450MPH275□**		
3.3	23.5	21.0	32.0	20.0	20.0	1.0	100	300	—	—	—	—	—	450MPH335□**		
3.9	23.5	23.0	34.0	20.0	20.0	1.0	100	300	—	—	—	—	—	450MPH395□**		
4.7	23.5	25.0	36.0	20.0	20.0	1.0	50	200	—	—	—	—	—	450MPH475□**		
630 VDC	0.047	13.0	8.5	14.0	10.0	5.0/7.5/10.0	0.8	100	2,000	—	—	—	—	—	630MPH473□**	
	0.056	13.0	9.0	15.0	10.0	5.0/7.5/10.0	0.8	100	2,000	—	—	—	—	—	630MPH563□**	
	0.068	13.0	10.0	15.5	10.0	5.0/7.5/10.0	0.8	100	1,000	—	—	—	—	—	630MPH683□**	
	0.082	13.0	10.5	16.5	10.0	5.0/7.5/10.0	0.8	100	1,000	—	—	—	—	—	630MPH823□**	
	0.1	13.0	11.0	17.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	630MPH104□**	
	0.12	13.0	12.0	17.5	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	630MPH124□**	
	0.15	13.0	13.0	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	630MPH154□**	
	0.18	13.0	14.5	20.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—	630MPH184□**	
	0.22	13.0	15.5	21.0	10.0	5.0/7.5/10.0	0.8	200	800	—	—	—	—	—	630MPH224□**	
	0.27	18.5	12.0	19.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	630MPH274□**	
	0.33	18.5	13.5	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	630MPH334□**	
	0.39	18.5	14.5	22.0	15.0	7.5/10.0/15.0	0.8	100	500	—	—	—	—	—	630MPH394□**	
	0.47	18.5	16.0	23.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH474□**	
	0.56	18.5	17.0	24.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH564□**	
	0.68	18.5	18.0	27.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH684□**	
	0.82	18.5	20.0	29.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH824□**	
	1	18.5	21.5	32.0	15.0	7.5/10.0/15.0	1.0	100	400	—	—	—	—	—	630MPH105□**	
	1.2	23.5	19.5	30.0	20.0	20.0	1.0	100	400	—	—	—	—	—	630MPH125□**	
1.5	23.5	22.0	33.0	20.0	20.0	1.0	100	300	—	—	—	—	—	630MPH155□**		
1.8	23.5	24.0	34.0	20.0	20.0	1.0	50	200	—	—	—	—	—	630MPH185□**		
2.2	23.5	26.5	37.0	20.0	20.0	1.0	50	200	—	—	—	—	—	630MPH225□**		