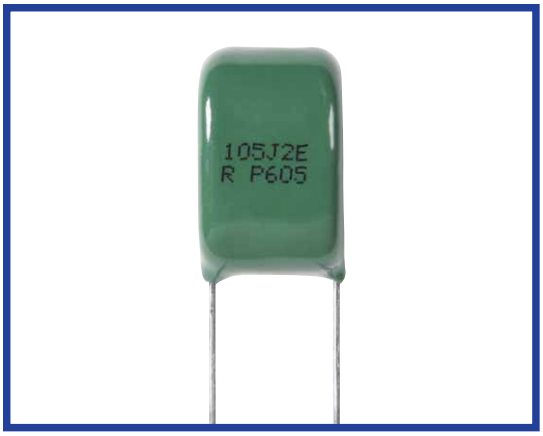
MPH SERIES



◆FEATURES

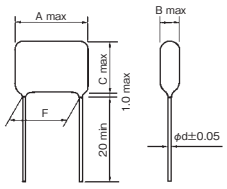
- Small and low E.S.R, compared with MPS series.
- Low buzz.
- For applications where high frequency, high current are required. (Switching power supply, lighting Inverter, etc)
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

◆SPECIFICATIONS

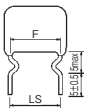
Category Temperature Range	−40℃～+105℃
Rated Voltage (U_R)	250VDC, 450VDC, 630VDC
Capacitance Tolerance	±3%(H), ±5%(J), ±10%(K)
tanδ	0.001max at 1kHz
Voltage Proof	U_R×150% 60s
Insulation Resistance	C≦0.33μF:25000MΩmin C>0.33μF: 7500ΩFmin
Reference Standard	JIS C 5101-16, JIS C 5101-1

◆OUTLINE

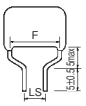
(mm)



Blank



E7,H7,Y7



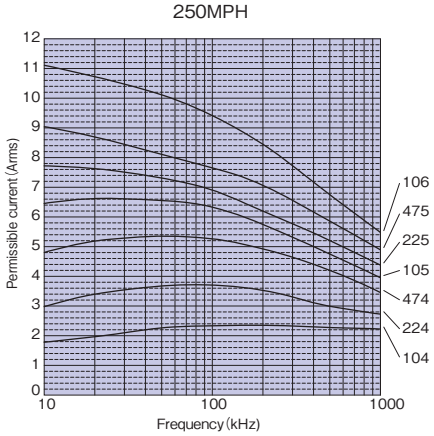
S7,W7,Q7

◆PART NUMBER

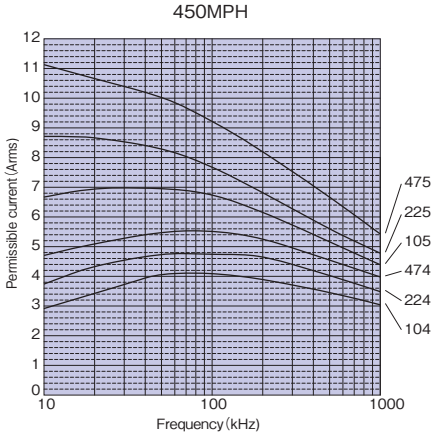
□□□	MPH	□□□	□	□□□	□□
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming

◆PERMISSIBLE CURRENT FOR FREQUENCY

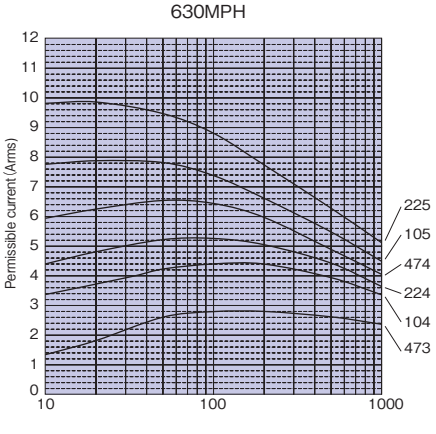
250MPH



450MPH



630MPH



◆STANDARD SIZE

□ : Tolerance ** : Suffix

Rated Voltage	Cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)							Part No.
								Long Lead type		Taping Ammo Pack Type - Style					
		A	B	C	F±1.0	LS±0.5	d	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	18.0	13.0	21.0	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	250MPH185□**
	2.2	18.0	14.0	21.5	15.0	7.5/10.0/15.0	0.8	100	500	—	—	—	—	—	250MPH225□**
	2.7	18.0	16.0	23.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH275□**
	3.3	18.0	17.0	27.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH335□**
	3.9	18.0	18.5	28.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	250MPH395□**
	4.7	18.0	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	30.5	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	34.0	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	9.0	15.5	7.5	5.0/7.5	0.8	100	2,000	—	—	—	—	—	450MPH124□**
	0.15	13.0	8.0	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	18.0	11.0	18.5	15.0	7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	450MPH564□**
	0.68	18.0	12.5	19.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	450MPH684□**
	0.82	18.0	13.5	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	450MPH824□**
	1	18.0	14.5	22.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH105□**
	1.2	18.0	15.5	24.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH125□**
	1.5	18.0	17.5	26.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH155□**
	1.8	18.0	19.0	27.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPH185□**
	2.2	18.0	21.0	31.0	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	37.0	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	18.0	12.0	19.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	630MPH274□**
	0.33	18.0	13.5	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	630MPH334□**
	0.39	18.0	14.5	22.0	15.0	7.5/10.0/15.0	0.8	100	500	—	—	—	—	—	630MPH394□**
	0.47	18.0	16.0	23.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH474□**
	0.56	18.0	17.0	24.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH564□**
	0.68	18.0	18.0	27.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH684□**
	0.82	18.0	20.0	29.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	630MPH824□**
	1	18.0	21.0	32.0	15.0	7.5/10.0/15.0	1.0	100	400	—	—	—	—	—	630MPH105□**
	1.2	23.5	19.0	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	35.0	20.0	20.0	1.0	50	200	—	—	—	—	—	630MPH185□**
	2.2	23.5	26.5	38.0	20.0	20.0	1.0	50	200	—	—	—	—	—	630MPH225□**