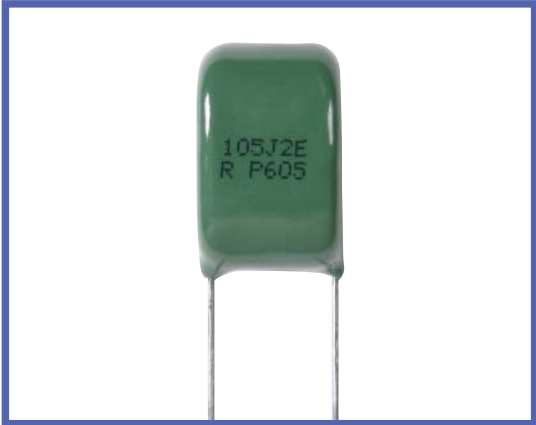


MPH SERIES

UPGRADE

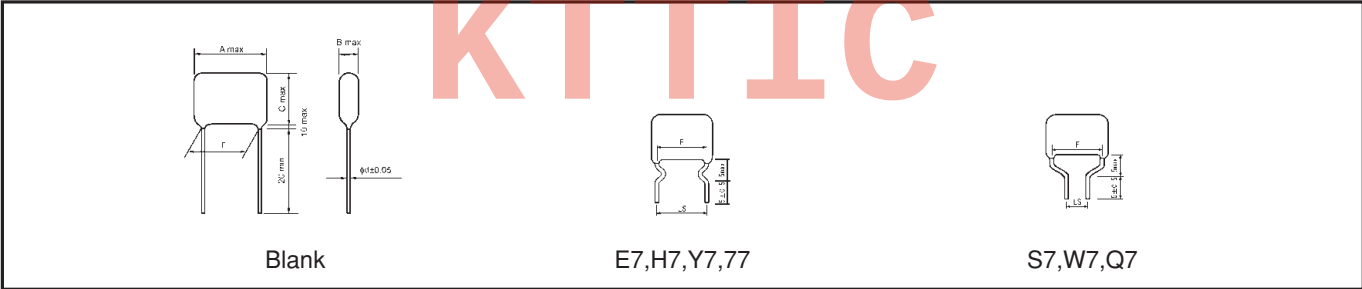
- ◆ FEATURES
- Small and low E.S.R, compared with MPS series.
 - Low buzz.
 - For applications where high frequency, high current are required.
(Switching power supply, lighting Inverter, etc)
 - Coated with flame-retardant (UL94 V-0) epoxy resin.
 - RoHS compliance.



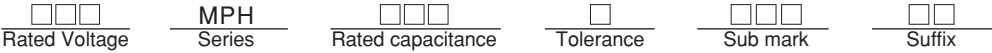
◆ SPECIFICATIONS

Category temperature	-40 ~+105℃
Rated voltage (UR)	250VDC, 450VDC, 630VDC
Capacitance tolerance	± 3%(H), ± 5%(J), ± 10%(K)
tanδ	0.001max at 1kHz
Voltage proof	UR×150% 60s
Insulation resistance	0.33μF ≤ :25000MΩmin 0.33μF < : 7500ΩFmin
Reference standard	JIS C 5101-16, JIS C 5101-1

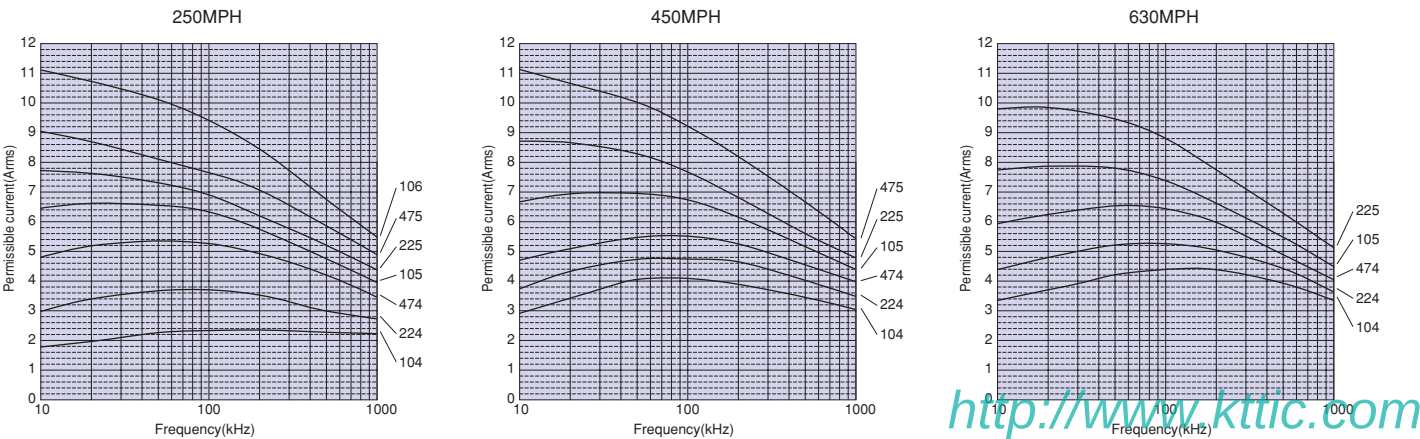
◆ OUTLINE



◆ PART NUMBER



◆ PERMISSIBLE CURRENT FOR FREQUENCY





◆ 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□**	