



MPS SERIES

◆ FEATURES

- Low dissipation factor, small and high current.
- For applications where high frequency, high current are required.
(TV, display monitor, power supply, lighting Inverter, etc)
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

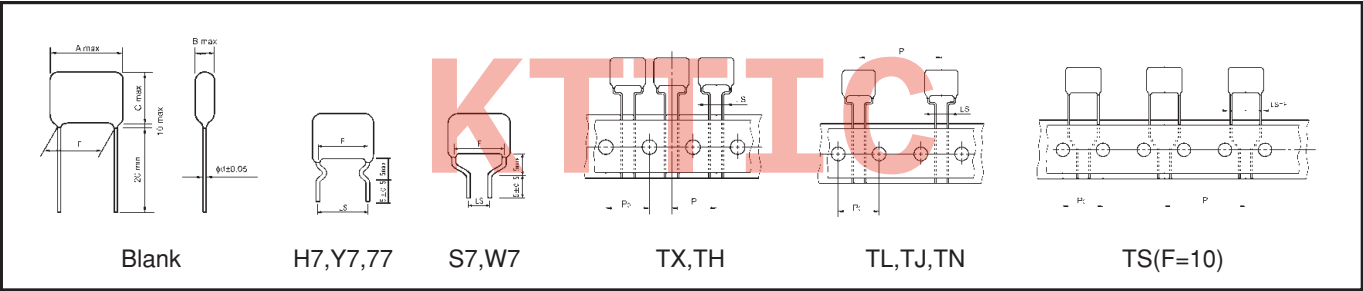


◆ SPECIFICATIONS

Category temperature	-40 ~ +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	0.33μF ≤ :25000MΩmin 0.33μF < :7500ΩFmin
Reference standard	JIS C 5101-16, JIS C 5101-1

◆ OUTLINE

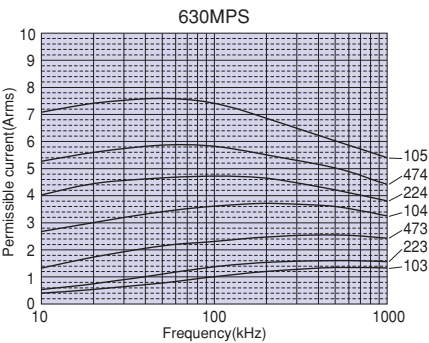
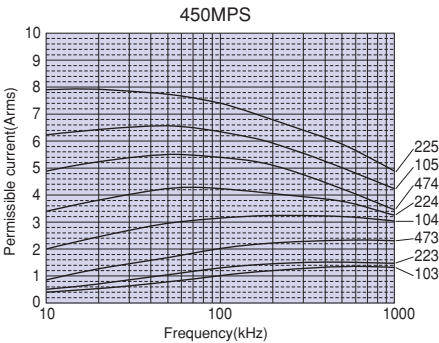
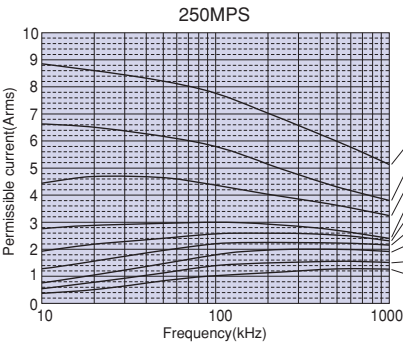
(mm)



◆ PART NUMBER



◆ PERMISSIBLE CURRENT FOR FREQUENCY



◆ STANDARD SIZE

□ : Tolerance ** : Suffix

RATED VOLTAGE	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)								Part No.	
								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	0.01	13.0	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPS103	□	**
	0.012	13.0	6.5	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPS123	□	**
	0.015	13.0	7.0	10.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPS153	□	**
	0.018	13.0	7.5	11.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPS183	□	**
	0.022	13.0	8.0	11.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPS223	□	**
	0.027	13.0	8.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	250MPS273	□	**
	0.033	13.0	5.5	10.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPS333	□	**
	0.039	13.0	5.5	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPS393	□	**
	0.047	13.0	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPS473	□	**
	0.056	13.0	6.5	12.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPS563	□	**
	0.068	13.0	6.0	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPS683	□	**
	0.082	13.0	6.5	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPS823	□	**
	0.1	13.0	6.0	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPS104	□	**
	0.12	13.0	6.5	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPS124	□	**
	0.15	13.0	7.0	12.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPS154	□	**
	0.18	13.0	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPS184	□	**
	0.22	13.0	6.0	13.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPS224	□	**
	0.27	13.0	6.5	13.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPS274	□	**
	0.33	13.0	7.5	14.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	250MPS334	□	**
	0.39	18.0	5.5	14.0	15.0	5.0/7.5/15.0	0.6	100	2,000	—	—	400	400	—	250MPS394	□	**
0.47	18.0	6.0	14.5	15.0	5.0/7.5/15.0	0.6	100	2,000	—	—	400	400	—	250MPS474	□	**	
0.56	18.0	6.5	15.0	15.0	5.0/7.5/15.0	0.6	100	2,000	—	—	400	400	—	250MPS564	□	**	
0.68	18.0	7.5	16.0	15.0	5.0/7.5/15.0	0.8	50	1,500	—	—	400	400	—	250MPS684	□	**	
0.82	18.0	8.0	16.5	15.0	5.0/7.5/15.0	0.8	50	1,500	—	—	400	300	—	250MPS824	□	**	
1	18.0	9.0	17.5	15.0	5.0/7.5/15.0	0.8	50	1,000	—	—	400	300	—	250MPS105	□	**	
1.2	18.0	9.5	18.0	15.0	5.0/7.5/15.0	0.8	50	1,000	—	—	400	300	—	250MPS125	□	**	
1.5	23.0	8.5	18.5	20.0	20.0	0.8	200	1,000	—	—	—	—	—	250MPS155	□	**	
1.8	23.0	9.5	19.5	20.0	20.0	0.8	200	800	—	—	—	—	—	250MPS185	□	**	
2.2	23.0	10.5	20.5	20.0	20.0	0.8	200	800	—	—	—	—	—	250MPS225	□	**	
2.7	23.0	12.0	22.0	20.0	20.0	0.8	100	500	—	—	—	—	—	250MPS275	□	**	
3.3	23.0	13.0	23.5	20.0	20.0	1.0	100	500	—	—	—	—	—	250MPS335	□	**	
3.9	23.0	14.5	24.5	20.0	20.0	1.0	100	500	—	—	—	—	—	250MPS395	□	**	
4.7	23.0	16.0	26.0	20.0	20.0	1.0	100	400	—	—	—	—	—	250MPS475	□	**	
450 VDC	0.01	13.0	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPS103	□	**
	0.012	13.0	6.5	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPS123	□	**
	0.015	13.0	7.0	10.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	450MPS153	□	**
	0.018	13.0	7.5	11.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPS183	□	**
	0.022	13.0	8.0	11.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPS223	□	**
	0.027	13.0	8.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	450MPS273	□	**
	0.033	13.0	5.5	10.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPS333	□	**
	0.039	13.0	5.5	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPS393	□	**
	0.047	13.0	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	450MPS473	□	**
	0.056	13.0	6.5	12.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPS563	□	**
	0.068	13.0	7.0	12.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPS683	□	**
	0.082	13.0	7.5	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	450MPS823	□	**
	0.1	18.0	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	450MPS104	□	**
	0.12	18.0	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	450MPS124	□	**
	0.15	18.0	7.0	14.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	450MPS154	□	**
	0.18	18.0	8.0	14.5	15.0	5.0/7.5/15.0	0.8	100	1,500	—	—	400	400	—	450MPS184	□	**
	0.22	18.0	8.5	15.5	15.0	5.0/7.5/15.0	0.8	50	1,500	—	—	400	300	—	450MPS224	□	**
	0.27	18.0	9.5	16.0	15.0	5.0/7.5/15.0	0.8	50	1,000	—	—	300	300	—	450MPS274	□	**
	0.33	18.0	9.5	18.0	15.0	5.0/7.5/15.0	0.8	50	1,000	—	—	300	300	—	450MPS334	□	**
	0.39	18.0	10.5	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	450MPS394	□	**
0.47	18.0	12.0	20.0	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	450MPS474	□	**	
0.56	23.0	11.0	19.0	20.0	20.0	0.8	200	800	—	—	—	—	—	450MPS564	□	**	
0.68	23.0	11.5	21.5	20.0	20.0	0.8	100	500	—	—	—	—	—	450MPS684	□	**	
0.82	23.0	12.5	22.5	20.0	20.0	0.8	100	500	—	—	—	—	—	450MPS824	□	**	
1	23.0	14.0	24.0	20.0	20.0	0.8	100	500	—	—	—	—	—	450MPS105	□	**	
1.2	23.0	15.0	25.5	20.0	20.0	1.0	100	500	—	—	—	—	—	450MPS125	□	**	
1.5	23.0	17.0	27.0	20.0	20.0	1.0	50	400	—	—	—	—	—	450MPS155	□	**	
1.8	23.0	18.5	29.0	20.0	20.0	1.0	50	400	—	—	—	—	—	450MPS185	□	**	
2.2	23.0	21.0	31.0	20.0	20.0	1.0	50	300	—	—	—	—	—	450MPS225	□	**	
630 VDC	0.01	13.0	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	630MPS103	□	**
	0.012	13.0	6.5	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	630MPS123	□	**
	0.015	13.0	7.0	10.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	630MPS153	□	**
	0.018	13.0	7.5	11.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	630MPS183	□	**
	0.022	13.0	8.0	11.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	630MPS223	□	**
	0.027	13.0	8.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MPS273	□	**
	0.033	13.0	8.5	14.0	10.0	5.0/7.5/10.0	0.8	100	2,000	—	500	400	—	400	630MPS333	□	**
	0.039	13.0	9.0	14.5	10.0	5.0/7.5/10.0	0.8	100	2,000	—	500	400	—	400	630MPS393	□	**
	0.047	18.0	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	630MPS473	□	**