

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.

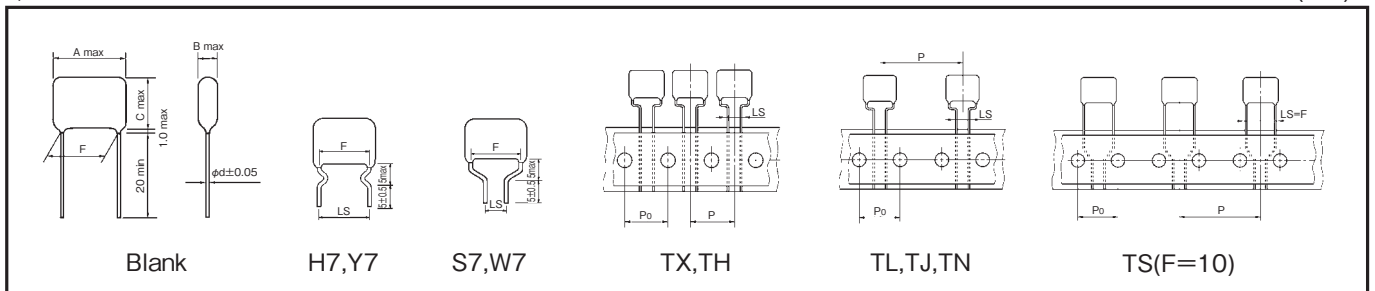


◆SPECIFICATIONS

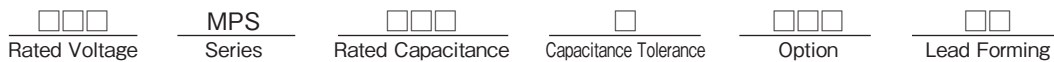
Category Temperature Range	-40°C~+105°C
Rated Voltage (U <sub>R</sub> )	250VDC, 450VDC, 630VDC
Capacitance Tolerance	±3%(H), ±5%(J), ±10%(K)
tanδ	0.001max at 1kHz
Voltage Proof	U <sub>R</sub> ×150% 60s
Insulation Resistance	C ≤ 0.33μF: 25000MΩmin C > 0.33μF: 7500ΩFmin
Reference Standard	JIS C 5101-16,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

◆OUTLINE

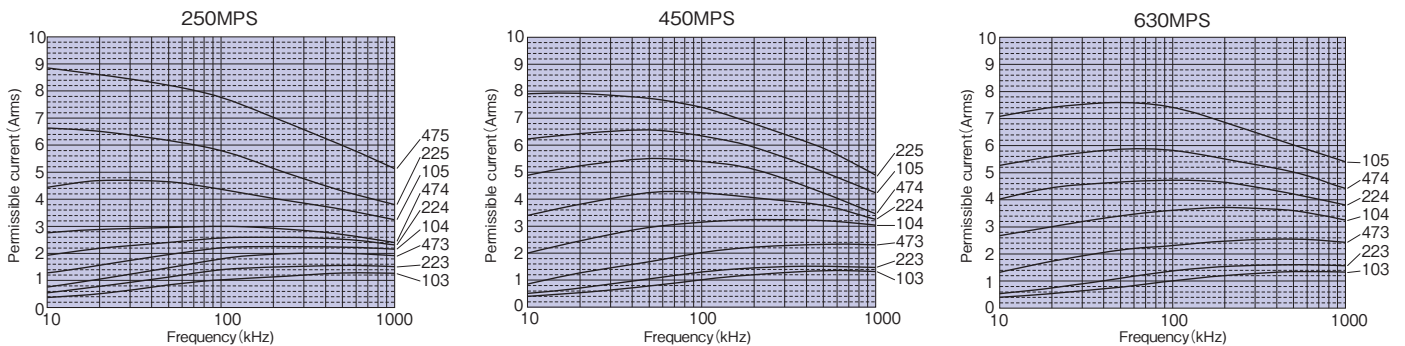
(mm)



◆PART NUMBER



◆PERMISSIBLE CURRENT FOR FREQUENCY



**◆ STANDARD SIZE**
 : Tolerance    \*\* : Suffix

Rated Voltage	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)								Part No.
								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	**
	0.056	18.0	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	630MPS563	**
	0.068	18.0	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	630MPS683	**
	0.082	18.0	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	1,500	—	—	400	400	—	630MPS823	**
	0.1	18.0	9.0	14.0	15.0	5.0/7.5/15.0	0.8	50	1,500	—	—	400	300	—	630MPS104	**
	0.12	18.0	9.5	15.0	15.0	5.0/7.5/15.0	0.8	50	1,000	—	—	300	300	—	630MPS124	**
	0.15	18.0	10.5	16.0	15.0	5.0/7.5/15.0	0.8	50	1,000	—	—	300	300	—	630MPS154	**
	0.18	18.0	11.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	—	—	630MPS184	**
	0.22	18.0	12.0	19.0	15.0	5.0/7.5/15.0	0.8	200	800	—	—	300	—	—	630MPS224	**
	0.27	23.0	11.0	18.0	20.0	20.0	0.8	200	800	—	—	—	—	—	630MPS274	**
	0.33	23.0	11.5	20.0	20.0	20.0	0.8	100	500	—	—	—	—	—	630MPS334	**
	0.39	23.0	12.5	21.0	20.0	20.0	0.8	100	500	—	—	—	—	—	630MPS394	**
	0.47	23.0	13.0	23.5	20.0	20.0	0.8	100	500	—	—	—	—	—	630MPS474	**
	0.56	23.0	14.5	24.5	20.0	20.0	1.0	100	500	—	—	—				