

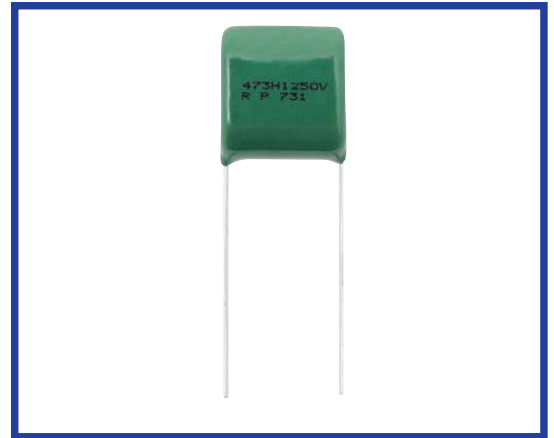
MPE SERIES

UPGRADE

High Voltage

◆FEATURES

- Up the corona discharge characteristics by special electrode construction.
- For applications where high frequency and high voltage are like electronic ballast, etc.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

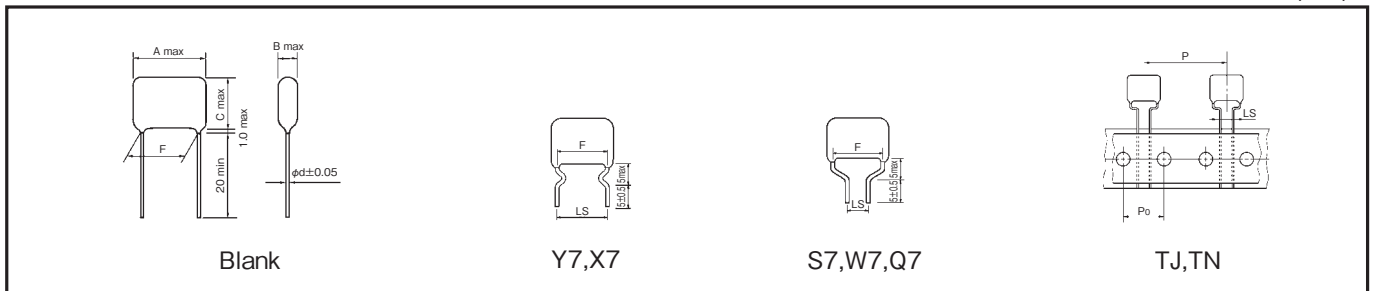


◆SPECIFICATIONS

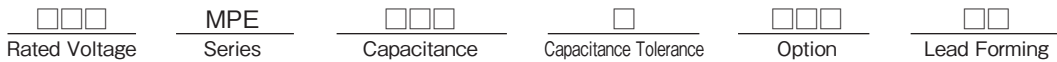
Category Temperature Range	-40~+105°C
Rated Voltage (U _R)	800Vdc/250Vac, 1250Vdc/400Vac, 1600Vdc/700Vac
Capacitance Tolerance	±3%(H), ±5%(J)
tanδ	0.001max at 1kHz
Voltage Proof	U _R ×150% 60s
Insulation Resistance	30,000MΩmin
Reference Standard	JIS C 5101-17, JIS C 5101-1

◆OUTLINE

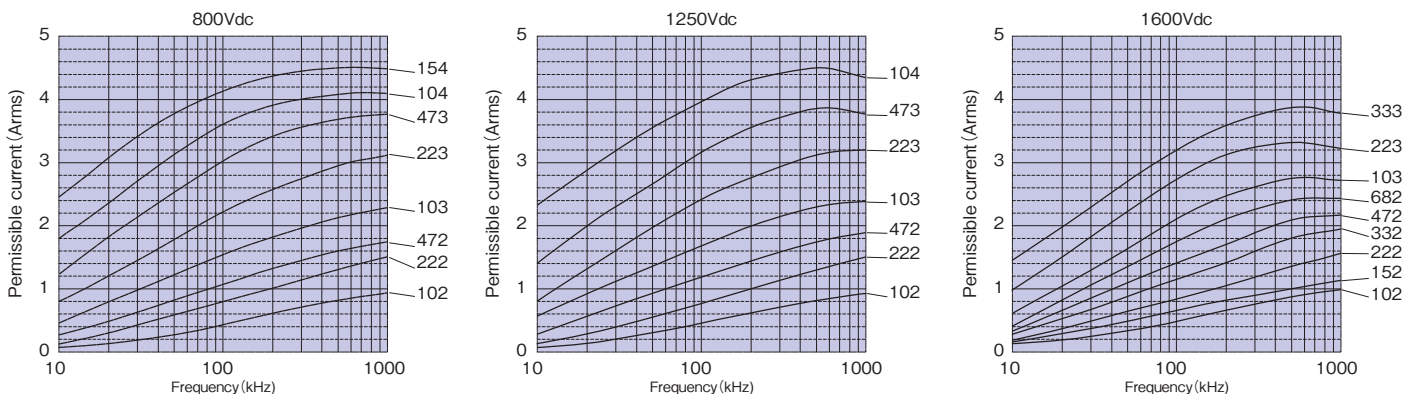
(mm)



◆PART NUMBER



◆PERMISSIBLE CURRENT FOR FREQUENCY



◆ STANDARD SIZE

□ : Capacitance Tolerance ** : Lead Forming

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		
800Vdc 250Vac	0.001	18.0	6.0	8.5	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	800MPE102□**	
	0.0012	18.0	6.0	8.5	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	800MPE122□**	
	0.0015	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	800MPE152□**	
	0.0018	18.0	6.0	10.5	15.0	5.0/7.5/10.0/15.0	0.8	100	3,000	—	—	500	500	—	800MPE182□**	
	0.0022	18.0	5.5	9.5	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	800MPE222□**	
	0.0027	18.0	5.5	11.0	15.0	5.0/7.5/10.0/15.0	0.8	100	3,000	—	—	500	500	—	800MPE272□**	
	0.0033	18.0	5.5	11.5	15.0	5.0/7.5/10.0/15.0	0.8	100	3,000	—	—	500	500	—	800MPE332□**	
	0.0039	18.0	6.0	11.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	500	—	800MPE392□**	
	0.0047	18.0	6.5	12.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	800MPE472□**	
	0.0056	18.0	7.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	800MPE562□**	
	0.0068	18.0	7.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	800MPE682□**	
	0.0082	18.0	8.5	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	800MPE822□**	
	0.01	18.0	7.0	12.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	400	300	—	800MPE103□**	
	0.012	18.0	7.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	800MPE123□**	
	0.015	18.0	7.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	800MPE153□**	
	0.018	18.0	8.0	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	800MPE183□**	
	0.022	18.0	7.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	800MPE223□**	
	0.027	18.0	8.0	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	800MPE273□**	
	0.033	18.0	9.0	14.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	400	300	—	800MPE333□**	
	0.039	18.0	9.5	15.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	300	—	800MPE393□**	
	0.047	18.0	9.5	16.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	300	—	800MPE473□**	
	0.056	18.0	10.5	17.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	800MPE563□**	
	0.068	18.0	11.5	18.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	800MPE683□**	
	0.082	18.0	12.0	20.5	15.0	5.0/7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	800MPE823□**	
	0.1	18.5	13.5	22.0	15.0	5.0/7.5/10.0/15.0	1.0	100	800	—	—	—	—	—	800MPE104□**	
	0.12	18.5	15.0	23.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	800MPE124□**	
0.15	18.5	16.5	25.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	800MPE154□**		
0.18	18.5	18.5	27.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	800MPE184□**		
0.22	18.5	20.5	29.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	800MPE224□**		
0.27	18.5	22.5	31.5	15.0	5.0/7.5/10.0/15.0	1.0	100	300	—	—	—	—	—	800MPE274□**		
0.33	23.5	21.5	30.0	20.0	20.0	1.0	100	300	—	—	—	—	—	800MPE334□**		
0.39	23.5	23.0	32.0	20.0	20.0	1.2	50	200	—	—	—	—	—	800MPE394□**		
0.47	23.5	25.0	34.0	20.0	20.0	1.2	50	200	—	—	—	—	—	800MPE474□**		
0.56	23.5	27.5	36.5	20.0	20.0	1.2	50	200	—	—	—	—	—	800MPE564□**		
1250Vdc 400Vac	0.001	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	121MPE102□**	
	0.0012	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	121MPE122□**	
	0.0015	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	121MPE152□**	
	0.0018	18.0	6.0	10.5	15.0	5.0/7.5/10.0/15.0	0.8	100	3,000	—	—	500	500	—	121MPE182□**	
	0.0022	18.0	5.5	9.5	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	121MPE222□**	
	0.0027	18.0	5.5	11.0	15.0	5.0/7.5/10.0/15.0	0.8	100	3,000	—	—	500	500	—	121MPE272□**	
	0.0033	18.0	5.5	11.5	15.0	5.0/7.5/10.0/15.0	0.8	100	3,000	—	—	500	500	—	121MPE332□**	
	0.0039	18.0	6.0	11.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	500	—	121MPE392□**	
	0.0047	18.0	6.5	12.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	121MPE472□**	
	0.0056	18.0	7.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	121MPE562□**	
	0.0068	18.0	7.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	121MPE682□**	
	0.0082	18.0	6.0	11.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	121MPE822□**	
	0.01	18.0	7.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	121MPE103□**	
	0.012	18.0	7.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	121MPE123□**	
	0.015	18.0	7.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	121MPE153□**	
	0.018	18.0	8.0	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	121MPE183□**	
	0.022	18.0	8.0	15.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	121MPE223□**	
	0.027	18.0	9.0	16.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	400	300	—	121MPE273□**	
	0.033	18.0	9.5	18.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	121MPE333□**	
	0.039	18.0	10.0	18.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	121MPE393□**	
	0.047	18.5	11.5	20.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	121MPE473□**	
	0.056	18.5	12.0	20.5	15.0	5.0/7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	121MPE563□**	
	0.068	18.5	13.0	21.5	15.0	5.0/7.5/10.0/15.0	1.0	200	800	—	—	—	—	—	121MPE683□**	
	0.082	18.5	14.5	23.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	121MPE823□**	
	0.1	18.5	16.0	25.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	121MPE104□**	
	0.12	18.5	18.0	27.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	121MPE124□**	
0.15	18.5	20.0	29.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	121MPE154□**		
0.18	18.5	22.0	31.0	15.0	5.0/7.5/10.0/15.0	1.0	100	400	—	—	—	—	—	121MPE184□**		
0.22	23.5	20.5	30.0	20.0	20.0	1.0	100	300	—	—	—	—	—	121MPE224□**		
0.27	23.5	23.0	32.0	20.0	20.0	1.2	50	200	—	—	—	—	—	121MPE274□**		
0.33	23.5	25.5	34.5	20.0	20.0	1.2	50	200	—	—	—	—	—	121MPE334□**		

*For details, please consult our sales offices.

◆ STANDARD SIZE

□ : Capacitance Tolerance ** : Lead Forming

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		
1600Vdc / 700Vac	0.001	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	161MPE102□**	
	0.0012	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	4,000	—	—	500	500	—	161MPE122□**	
	0.0015	18.0	6.0	9.0	15.0	5.0/7.5/10.0/15.0	0.8	200	3,000	—	—	500	500	—	161MPE152□**	
	0.0018	18.0	6.0	10.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	500	—	161MPE182□**	
	0.0022	18.0	6.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	500	—	161MPE222□**	
	0.0027	18.0	6.0	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	500	—	161MPE272□**	
	0.0033	18.0	6.0	14.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	500	—	161MPE332□**	
	0.0039	18.0	7.5	14.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	400	—	161MPE392□**	
	0.0047	18.0	7.5	15.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	400	—	161MPE472□**	
	0.0056	18.0	8.5	17.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	400	300	—	161MPE562□**	
	0.0068	18.0	8.5	17.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	400	300	—	161MPE682□**	
	0.0082	18.0	8.5	17.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	400	300	—	161MPE822□**	
	0.01	18.0	10.0	18.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	300	—	161MPE103□**	
	0.012	18.0	11.5	20.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	161MPE123□**	
	0.015	18.5	12.0	22.5	15.0	5.0/7.5/10.0/15.0	1.0	200	800	—	—	—	—	—	161MPE153□**	
	0.018	18.5	13.5	24.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	161MPE183□**	
	0.022	18.5	15.5	25.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	161MPE223□**	
	0.027	18.5	17.0	27.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	161MPE273□**	
	0.033	18.5	19.0	28.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	161MPE333□**	
	0.039	18.5	21.0	30.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	161MPE393□**	
0.047	18.5	23.0	32.0	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	161MPE473□**		
0.056	23.5	21.5	30.0	20.0	20.0	1.0	100	300	—	—	—	—	—	161MPE563□**		
0.068	23.5	23.5	32.5	20.0	20.0	1.2	50	300	—	—	—	—	—	161MPE683□**		
0.082	23.5	25.5	34.5	20.0	20.0	1.2	50	200	—	—	—	—	—	161MPE823□**		
0.1	23.5	28.5	37.5	20.0	20.0	1.2	50	200	—	—	—	—	—	161MPE104□**		

*For details, please consult our sales offices.