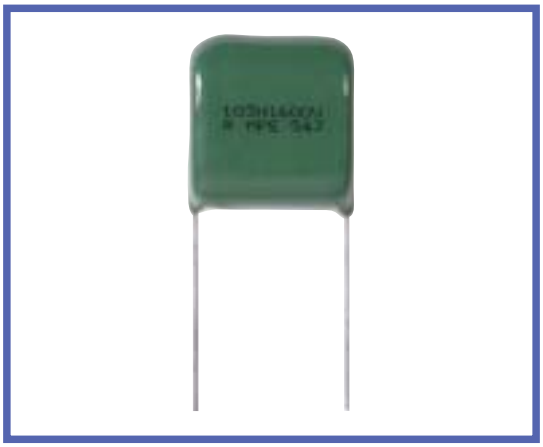
MPE SERIES



◆FEATURES

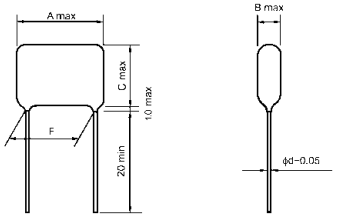
- Up the corona discharge characteristics by 3 section series construction.
- For applications where high frequency, high voltage are like electronic ballast, etc.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

◆SPECIFICATIONS

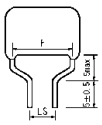
Category temperature	−40°C~+105°C
Rated voltage (U_R)	800VDC/250VAC, 1250VDC/400VAC, 1600VDC/700VAC
Capacitance tolerance	±3%(H), ±5%(J)
tanδ	0.001max at 1kHz
Voltage proof	U_R ×150% 60s
Insulation resistance	30,000MΩmin
Reference standard	JIS C 5101-17, JIS C 5101-1

◆OUTLINE

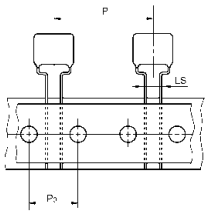
(mm)



Blank



S7,W7



Style C,E

◆PART NUMBER

□□□ Rated Voltage | MPE Series | □□□ Rated capacitance | □ Tolerance | □□□ Sub mark | □□ Suffix

Symbol	U_R
800	800VDC/250VAC
121	1250VDC/400VAC
161	1600VDC/700VAC

Symbol	Tolerance
H	±3%
J	±5%

Symbol	Lead style
Blank	Long lead type
S7	Lead forming cut LS=5.0
W7	Lead forming cut LS=7.5

Symbol	Lead style
TJ	Style C, Ammo pack P=25.4 Po=12.7 LS=5.0
TN	Style E, Ammo pack P=30.0 Po=15.0 LS=7.5

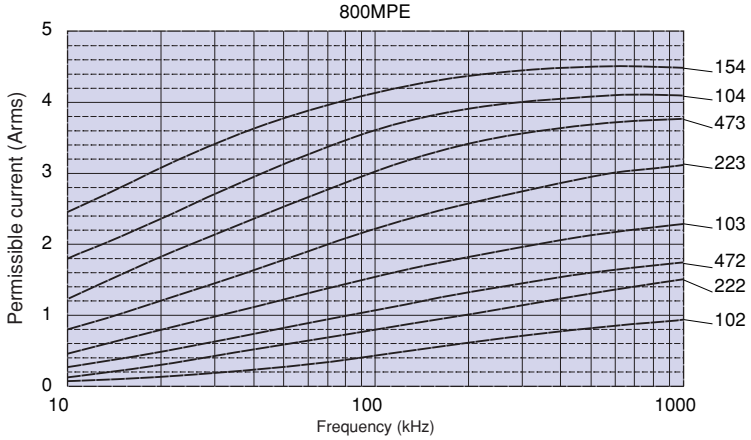
◆DIMENSIONS AND QUANTITY

◆RATED VOLTAGE : 800VDC/250VAC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F ±0.5	LS ±0.5	d	Bag	Carton	A	B, D	C	E	S
										TC	TX, TH	TL, TJ	TN	TS
800MPE102□**	0.001	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE112□**	0.0011	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE122□**	0.0012	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE132□**	0.0013	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE152□**	0.0015	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE162□**	0.0016	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE182□**	0.0018	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
800MPE202□**	0.002	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
800MPE222□**	0.0022	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE242□**	0.0024	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
800MPE272□**	0.0027	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
800MPE302□**	0.003	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
800MPE332□**	0.0033	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
800MPE362□**	0.0036	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
800MPE392□**	0.0039	17.5	6.0	11.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	500	–
800MPE432□**	0.0043	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE472□**	0.0047	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE512□**	0.0051	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE562□**	0.0056	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE622□**	0.0062	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
800MPE682□**	0.0068	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
800MPE752□**	0.0075	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
800MPE822□**	0.0082	17.5	8.5	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
800MPE912□**	0.0091	17.5	9.0	14.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
800MPE103□**	0.01	17.5	9.0	14.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
800MPE113□**	0.011	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE123□**	0.012	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE133□**	0.013	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
800MPE153□**	0.015	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
800MPE163□**	0.016	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
800MPE183□**	0.018	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
800MPE203□**	0.02	17.5	7.5	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
800MPE223□**	0.022	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
800MPE243□**	0.024	17.5	8.0	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
800MPE273□**	0.027	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
800MPE303□**	0.03	17.5	8.5	14.0	15.0	5.0/7.5/15.0	0.8	100	1,000	–	–	400	300	–
800MPE333□**	0.033	17.5	9.0	14.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
800MPE363□**	0.036	17.5	9.5	14.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	300	–
800MPE393□**	0.039	17.5	9.5	15.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	300	–
800MPE433□**	0.043	17.5	9.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	300	–
800MPE473□**	0.047	17.5	9.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	300	–
800MPE513□**	0.051	17.5	10.0	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	300	–
800MPE563□**	0.056	17.5	10.5	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	200	–
800MPE623□**	0.062	17.5	11.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	200	–
800MPE683□**	0.068	18.0	11.5	18.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
800MPE753□**	0.075	18.0	12.0	20.0	15.0	5.0/7.5/15.0	0.8	200	800	–	–	–	–	–
800MPE823□**	0.082	18.0	12.0	20.5	15.0	5.0/7.5/15.0	0.8	200	800	–	–	–	–	–
800MPE913□**	0.091	18.0	12.5	21.0	15.0	5.0/7.5/15.0	0.8	200	800	–	–	–	–	–
800MPE104□**	0.1	18.0	13.5	22.0	15.0	5.0/7.5/15.0	1.0	100	800	–	–	–	–	–
800MPE114□**	0.11	18.0	14.0	22.5	15.0	5.0/7.5/15.0	1.0	100	800	–	–	–	–	–
800MPE124□**	0.12	18.0	15.0	23.5	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
800MPE134□**	0.13	18.0	15.5	24.0	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
800MPE154□**	0.15	18.0	16.5	25.5	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–

□ : Tolerance (H: ±3%, J: ±5%) ** : Suffix

◆PERMISSIBLE CURRENT FOR FREQUENCY



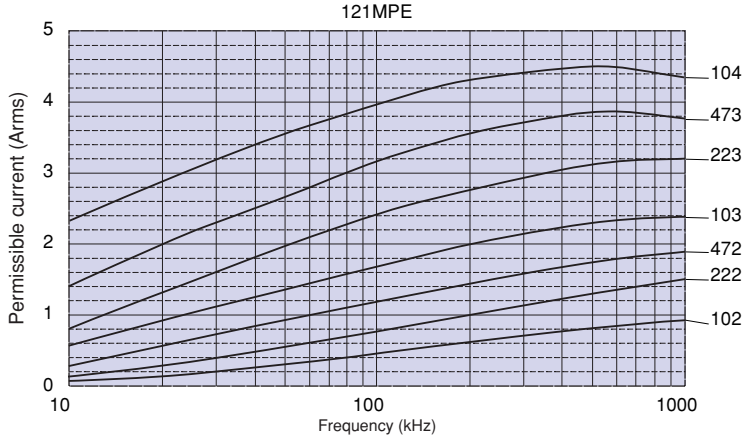
◆DIMENSIONS AND QUANTITY

◆RATED VOLTAGE : 1250VDC/400VAC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F ±0.5	LS±0.5	d	Bag	Carton	A	B, D	C	E	S
										TC	TX, TH	TL, TJ	TN	TS
121MPE102□**	0.001	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE112□**	0.0011	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE122□**	0.0012	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE132□**	0.0013	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE152□**	0.0015	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE162□**	0.0016	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE182□**	0.0018	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
121MPE202□**	0.002	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
121MPE222□**	0.0022	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE242□**	0.0024	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	–	–	500	500	–
121MPE272□**	0.0027	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
121MPE302□**	0.003	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
121MPE332□**	0.0033	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
121MPE362□**	0.0036	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	–	–	500	500	–
121MPE392□**	0.0039	17.5	6.0	11.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	500	–
121MPE432□**	0.0043	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE472□**	0.0047	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE512□**	0.0051	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE562□**	0.0056	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE622□**	0.0062	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
121MPE682□**	0.0068	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
121MPE752□**	0.0075	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
121MPE822□**	0.0082	17.5	8.5	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
121MPE912□**	0.0091	17.5	9.0	14.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
121MPE103□**	0.01	17.5	9.0	14.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
121MPE113□**	0.011	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE123□**	0.012	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE133□**	0.013	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	500	400	–
121MPE153□**	0.015	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
121MPE163□**	0.016	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
121MPE183□**	0.018	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
121MPE203□**	0.02	17.5	7.5	15.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	400	–
121MPE223□**	0.022	17.5	8.0	15.0	15.0	5.0/7.5/15.0	0.8	100	2,000	–	–	400	300	–
121MPE243□**	0.024	17.5	8.5	15.5	15.0	5.0/7.5/15.0	0.8	200	2,000	–	–	400	300	–
121MPE273□**	0.027	17.5	9.0	16.0	15.0	5.0/7.5/15.0	0.8	200	2,000	–	–	400	300	–
121MPE303□**	0.03	17.5	9.0	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
121MPE333□**	0.033	17.5	9.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	400	300	–
121MPE363□**	0.036	17.5	9.5	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	300	300	–
121MPE393□**	0.039	17.5	10.0	18.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
121MPE433□**	0.043	18.0	10.5	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
121MPE473□**	0.047	18.0	11.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
121MPE513□**	0.051	18.0	11.5	20.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
121MPE563□**	0.056	18.0	12.0	20.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
121MPE623□**	0.062	18.0	12.5	21.0	15.0	5.0/7.5/15.0	1.0	200	1,000	–	–	–	–	–
121MPE683□**	0.068	18.0	13.0	21.5	15.0	5.0/7.5/15.0	1.0	200	1,000	–	–	–	–	–
121MPE753□**	0.075	18.0	14.0	22.5	15.0	5.0/7.5/15.0	1.0	100	800	–	–	–	–	–
121MPE823□**	0.082	18.0	14.5	23.0	15.0	5.0/7.5/15.0	1.0	100	800	–	–	–	–	–
121MPE913□**	0.091	18.0	15.5	24.0	15.0	5.0/7.5/15.0	1.0	100	800	–	–	–	–	–
121MPE104□**	0.1	18.0	16.0	25.0	15.0	5.0/7.5/15.0	1.0	100	800	–	–	–	–	–

□ : Tolerance (H: ±3%, J: ±5%) ** : Suffix

◆PERMISSIBLE CURRENT FOR FREQUENCY



◆DIMENSIONS AND QUANTITY

◆RATED VOLTAGE : 1600VDC/700VAC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F ±0.5	LS±0.5	d	Bag	Carton	A	B, D	C	E	S
										TC	TX, TH	TL, TJ	TN	TS
161MPE102□**	0.001	17.5	6.0	8.0	15.0	5.0/7.5	0.8	200	4,000	–	–	500	500	–
161MPE112□**	0.0011	17.5	6.0	8.0	15.0	5.0/7.5	0.8	200	4,000	–	–	500	500	–
161MPE122□**	0.0012	17.5	6.0	8.0	15.0	5.0/7.5	0.8	200	4,000	–	–	500	500	–
161MPE132□**	0.0013	17.5	6.0	9.0	15.0	5.0/7.5	0.8	200	3,000	–	–	500	500	–
161MPE152□**	0.0015	17.5	6.0	9.0	15.0	5.0/7.5	0.8	200	3,000	–	–	500	500	–
161MPE162□**	0.0016	17.5	6.0	10.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE182□**	0.0018	17.5	6.0	10.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE202□**	0.002	17.5	6.0	12.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE222□**	0.0022	17.5	6.0	12.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE242□**	0.0024	17.5	6.0	12.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE272□**	0.0027	17.5	6.0	13.0	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE302□**	0.003	17.5	6.0	14.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE332□**	0.0033	17.5	6.0	14.5	15.0	5.0/7.5	0.8	100	2,000	–	–	500	500	–
161MPE362□**	0.0036	17.5	7.5	14.5	15.0	5.0/7.5	0.8	100	1,000	–	–	400	400	–
161MPE392□**	0.0039	17.5	7.5	15.0	15.0	5.0/7.5	0.8	100	1,000	–	–	400	400	–
161MPE432□**	0.0043	17.5	7.5	15.0	15.0	5.0/7.5	0.8	100	1,000	–	–	400	400	–
161MPE472□**	0.0047	17.5	7.5	15.5	15.0	5.0/7.5	0.8	100	1,000	–	–	400	400	–
161MPE512□**	0.0051	17.5	8.5	16.0	15.0	5.0/7.5	0.8	200	1,000	–	–	400	300	–
161MPE562□**	0.0056	17.5	8.5	16.5	15.0	5.0/7.5	0.8	200	1,000	–	–	400	300	–
161MPE622□**	0.0062	17.5	8.5	16.5	15.0	5.0/7.5	0.8	200	1,000	–	–	400	300	–
161MPE682□**	0.0068	17.5	8.5	17.0	15.0	5.0/7.5	0.8	200	1,000	–	–	400	300	–
161MPE752□**	0.0075	17.5	8.5	17.5	15.0	5.0/7.5	0.8	200	1,000	–	–	400	300	–
161MPE822□**	0.0082	17.5	8.5	17.5	15.0	5.0/7.5	0.8	200	1,000	–	–	400	300	–
161MPE912□**	0.0091	17.5	9.5	18.0	15.0	5.0/7.5	0.8	200	1,000	–	–	300	300	–
161MPE103□**	0.01	17.5	10.0	18.5	15.0	5.0/7.5	0.8	200	1,000	–	–	300	300	–
161MPE113□**	0.011	17.5	11.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
161MPE123□**	0.012	18.0	11.5	20.0	15.0	5.0/7.5/15.0	0.8	200	1,000	–	–	–	–	–
161MPE133□**	0.013	18.0	12.0	20.5	15.0	5.0/7.5/15.0	0.8	200	800	–	–	–	–	–
161MPE153□**	0.015	18.0	12.0	22.5	15.0	5.0/7.5/15.0	1.0	200	800	–	–	–	–	–
161MPE163□**	0.016	18.0	12.5	22.0	15.0	5.0/7.5/15.0	1.0	200	800	–	–	–	–	–
161MPE183□**	0.018	18.0	13.5	24.0	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
161MPE203□**	0.02	18.0	15.0	24.0	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
161MPE223□**	0.022	18.0	15.5	25.5	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
161MPE243□**	0.024	18.0	16.0	26.5	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
161MPE273□**	0.027	18.0	17.0	27.0	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
161MPE303□**	0.03	18.0	18.0	28.0	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–
161MPE333□**	0.033	18.0	19.0	28.5	15.0	5.0/7.5/15.0	1.0	100	500	–	–	–	–	–

□ :Tolerance (H: ±3%, J: ±5%) ** : Suffix

◆PERMISSIBLE CURRENT FOR FREQUENCY

