

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.

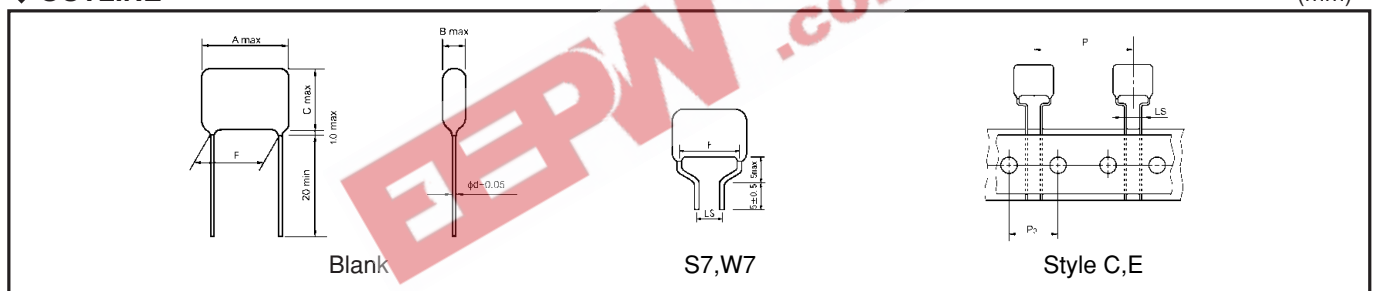


◆ SPECIFICATIONS

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)



◆ 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%

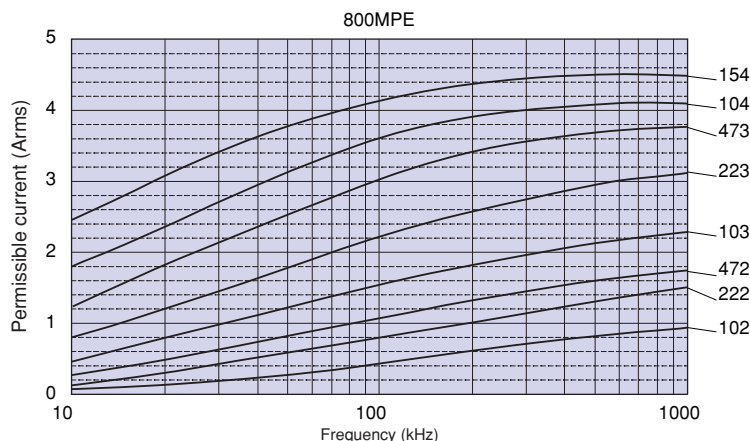
Symbol	Lead style	Symbol	Lead style
Blank	Long lead type	TJ	Style C, Ammo pack P=25.4 Po=12.7 LS=5.0
S7	Lead forming cut LS=5.0	TN	Style E, Ammo pack P=30.0 Po=15.0 LS=7.5
W7	Lead forming cut LS=7.5		

◆ 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 TC	B, D TX, TH	C TL, TJ	E TN	S 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


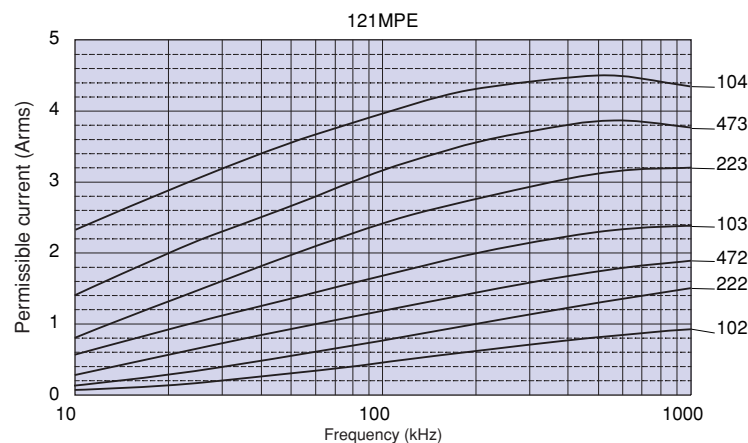
◆ **DIMENSIONS AND QUANTITY**

◆ **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 TC	B, D TX, TH	C TL, TJ	E TN	S 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 TC	B, D TX, TH	C TL, TJ	E TN	S 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
