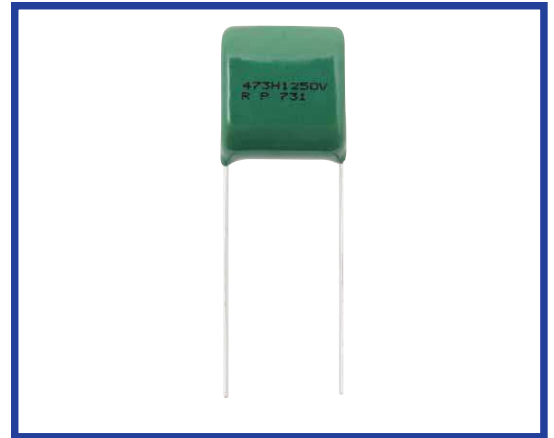


MPE SERIES

◆ **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.

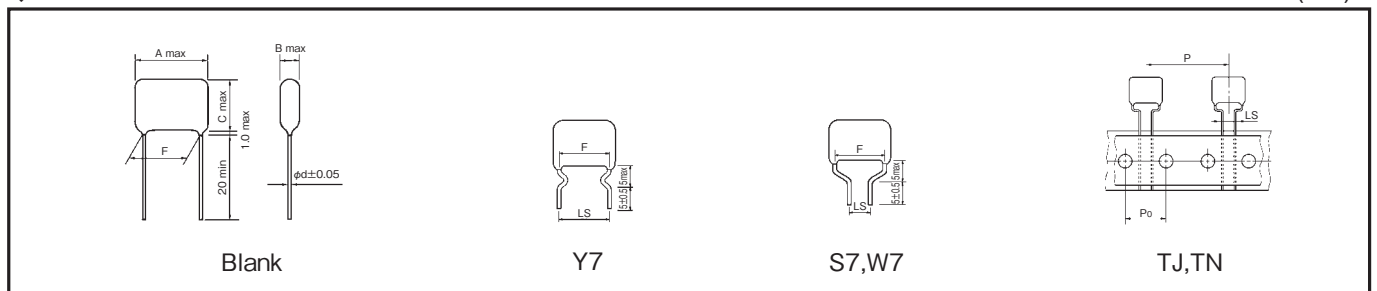


◆ **SPECIFICATIONS**

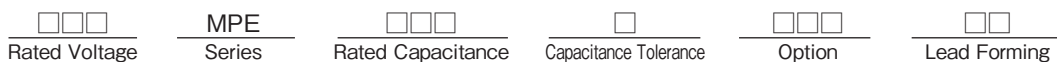
Category Temperature Range	-40°C~+105°C
Rated Voltage (U _R)	800VDC/250VAC, 1250VDC/400VAC, 1600VDC/700VAC
Capacitance Tolerance	±3%(H), ±5%(J)
tanδ	0.001max at 1kHz
Voltage Proof	U _R ×150% 60s
Insulation Resistance	30,000MΩmin
Reference Standard	JIS C 5101-17, JIS C 5101-1

◆ **OUTLINE**

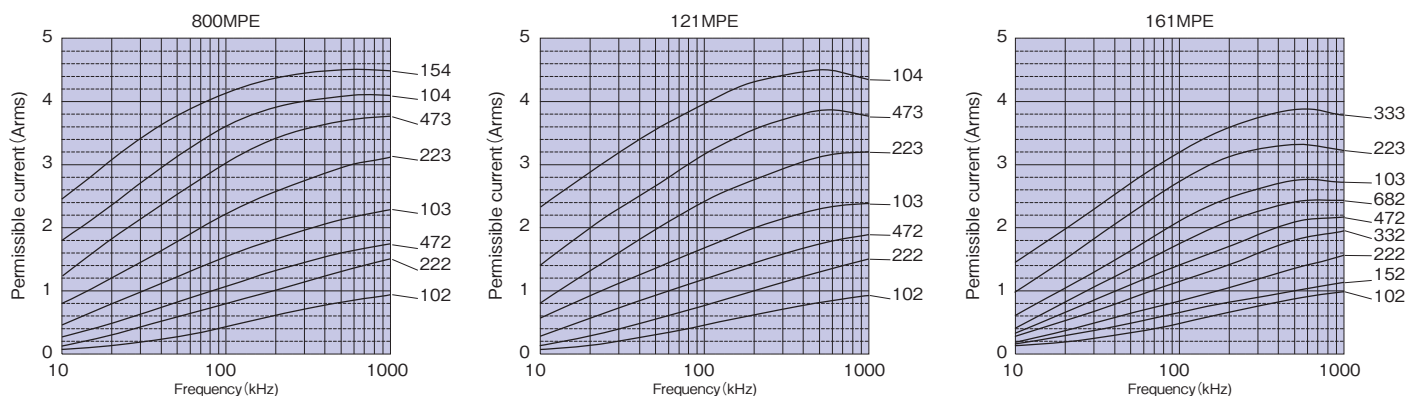
(mm)



◆ **PART NUMBER**



◆ **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	
800VDC / 250VAC	0.001	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE102□**
	0.0011	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE112□**
	0.0012	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE122□**
	0.0013	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE132□**
	0.0015	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE152□**
	0.0016	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE162□
	0.0018	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	800MPE182□
	0.002	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	800MPE202□**
	0.0022	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE222□**
	0.0024	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	800MPE242□**
	0.0027	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	800MPE272□**
	0.003	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	800MPE302□**
	0.0033	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	800MPE332□**
	0.0036	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	800MPE362□**
	0.0039	17.5	6.0	11.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	800MPE392□**
	0.0043	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE432□**
	0.0047	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE472□**
	0.0051	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE512□**
	0.0056	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE562□**
	0.0062	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	800MPE622□**
	0.0068	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	800MPE682□**
	0.0075	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	800MPE752□**
	0.0082	17.5	8.5	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	800MPE822□**
	0.0091	17.5	9.0	14.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	800MPE912□**
	0.01	17.5	9.0	14.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	800MPE103□**
	0.011	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE113□**
	0.012	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE123□**
	0.013	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	800MPE133□**
	0.015	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	800MPE153□**
	0.016	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	800MPE163□**
	0.018	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	800MPE183□**
	0.02	17.5	7.5	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	800MPE203□**
	0.022	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	800MPE223□**
	0.024	17.5	8.0	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	800MPE243□**
	0.027	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	800MPE273□**
	0.03	17.5	8.5	14.0	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	300	—	800MPE303□**
	0.033	17.5	9.0	14.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	800MPE333□**
	0.036	17.5	9.5	14.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	800MPE363□**
	0.039	17.5	9.5	15.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	800MPE393□**
	0.043	17.5	9.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	800MPE433□**
	0.047	17.5	9.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	800MPE473□**
	0.051	17.5	10.0	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	800MPE513□**
	0.056	17.5	10.5	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	200	—	800MPE563□**
	0.062	17.5	11.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	200	—	800MPE623□**
	0.068	18.0	11.5	18.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	800MPE683□**
	0.075	18.0	12.0	20.0	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	800MPE753□**
	0.082	18.0	12.0	20.5	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	800MPE823□**
	0.091	18.0	12.5	21.0	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	800MPE913□**
	0.1	18.0	13.5	22.0	15.0	5.0/7.5/15.0	1.0	100	800	—	—	—	—	—	800MPE104□**
	0.11	18.0	14.0	22.5	15.0	5.0/7.5/15.0	1.0	100	800	—	—	—	—	—	800MPE114□**
	0.12	18.0	15.0	23.5	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	800MPE124□**
	0.13	18.0	15.5	24.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	800MPE134□**
	0.15	18.0	16.5	25.5	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	800MPE154□**

◆ 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	
1250VDC / 400VAC	0.001	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE102□**
	0.0011	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE112□**
	0.0012	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE122□**
	0.0013	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE132□**
	0.0015	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE152□**
	0.0016	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE162□**
	0.0018	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	121MPE182□**
	0.002	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	121MPE202□**
	0.0022	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE222□**
	0.0024	17.5	5.5	9.5	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	121MPE242□**
	0.0027	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	121MPE272□**
	0.003	17.5	5.5	11.0	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	121MPE302□**
	0.0033	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	121MPE332□**
	0.0036	17.5	5.5	11.5	15.0	5.0/7.5/15.0	0.8	100	3,000	—	—	500	500	—	121MPE362□**
	0.0039	17.5	6.0	11.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	121MPE392□**
	0.0043	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE432□**
	0.0047	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE472□**
	0.0051	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE512□**
	0.0056	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE562□**
	0.0062	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	121MPE622□**
	0.0068	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	121MPE682□**
	0.0075	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	121MPE752□**
	0.0082	17.5	8.5	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	121MPE822□**
	0.0091	17.5	9.0	14.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	121MPE912□**
	0.01	17.5	9.0	14.5	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	300	—	121MPE103□**
	0.011	17.5	6.5	12.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE113□**
	0.012	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE123□**
	0.013	17.5	7.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	121MPE133□**
	0.015	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	121MPE153□**
	0.016	17.5	7.5	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	400	—	121MPE163□**
	0.018	17.5	8.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	400	300	—	121MPE183□**
	0.02	17.5	7.5	15.0	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	400	—	121MPE203□**
	0.022	17.5	8.0	15.0	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	300	—	121MPE223□**
	0.024	17.5	8.5	15.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	121MPE243□**
	0.027	17.5	9.0	16.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	121MPE273□**
	0.03	17.5	9.0	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	121MPE303□**
	0.033	17.5	9.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	121MPE333□**
	0.036	17.5	9.5	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	121MPE363□**
	0.039	17.5	10.0	18.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	121MPE393□**
	0.043	18.0	10.5	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	121MPE433□**
	0.047	18.0	11.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	121MPE473□**
	0.051	18.0	11.5	20.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	121MPE513□**
	0.056	18.0	12.0	20.5	15.0	5.0/7.5/15.0	1.0	200	800	—	—	—	—	—	121MPE563□**
	0.062	18.0	12.5	21.0	15.0	5.0/7.5/15.0	1.0	200	800	—	—	—	—	—	121MPE623□**
	0.068	18.0	13.0	21.5	15.0	5.0/7.5/15.0	1.0	200	800	—	—	—	—	—	121MPE683□**
	0.075	18.0	14.0	22.5	15.0	5.0/7.5/15.0	1.0	100	800	—	—	—	—	—	121MPE753□**
	0.082	18.0	14.5	23.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	121MPE823□**
	0.091	18.0	15.5	24.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	121MPE913□**
	0.1	18.0	16.0	25.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	121MPE104□**

◆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	
1600VDC / 700VAC	0.001	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	161MPE102□**
	0.0011	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	161MPE112□**
	0.0012	17.5	6.0	8.0	15.0	5.0/7.5/15.0	0.8	200	4,000	—	—	500	500	—	161MPE122□**
	0.0013	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	3,000	—	—	500	500	—	161MPE132□**
	0.0015	17.5	6.0	9.0	15.0	5.0/7.5/15.0	0.8	200	3,000	—	—	500	500	—	161MPE152□**
	0.0016	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE162□**
	0.0018	17.5	6.0	10.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE182□**
	0.002	17.5	6.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE202□**
	0.0022	17.5	6.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE222□**
	0.0024	17.5	6.0	12.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE242□**
	0.0027	17.5	6.0	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE272□**
	0.003	17.5	6.0	14.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE302□**
	0.0033	17.5	6.0	14.5	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	161MPE332□**
	0.0036	17.5	7.5	14.5	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	500	—	161MPE362□**
	0.0039	17.5	7.5	14.5	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	400	—	161MPE392□**
	0.0043	17.5	7.5	15.0	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	400	—	161MPE432□**
	0.0047	17.5	7.5	15.5	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	400	—	161MPE472□**
	0.0051	17.5	8.5	16.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	161MPE512□**
	0.0056	17.5	8.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	161MPE562□**
	0.0062	17.5	8.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	161MPE622□**
	0.0068	17.5	8.5	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	161MPE682□**
	0.0075	17.5	8.5	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	161MPE752□**
	0.0082	17.5	8.5	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	161MPE822□**
	0.0091	17.5	9.5	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	161MPE912□**
	0.01	17.5	10.0	18.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	161MPE103□**
	0.011	17.5	11.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	161MPE113□**
	0.012	18.0	11.5	20.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	161MPE123□**
	0.013	18.0	12.0	20.5	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	161MPE133□**
	0.015	18.0	12.0	22.5	15.0	5.0/7.5/15.0	1.0	200	800	—	—	—	—	—	161MPE153□**
	0.016	18.0	12.5	22.0	15.0	5.0/7.5/15.0	1.0	200	800	—	—	—	—	—	161MPE163□**
	0.018	18.0	13.5	24.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE183□**
	0.02	18.0	15.0	24.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE203□**
	0.022	18.0	15.5	25.5	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE223□**
	0.024	18.0	16.0	26.5	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE243□**
	0.027	18.0	17.0	27.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE273□**
	0.03	18.0	18.0	28.0	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE303□**
	0.033	18.0	19.0	28.5	15.0	5.0/7.5/15.0	1.0	100	500	—	—	—	—	—	161MPE333□**