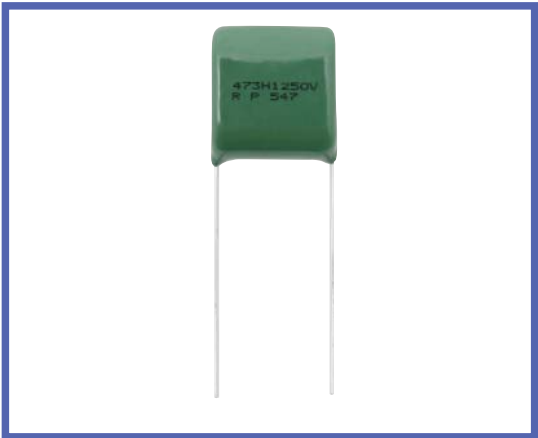




MPE SERIES

◆ 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.

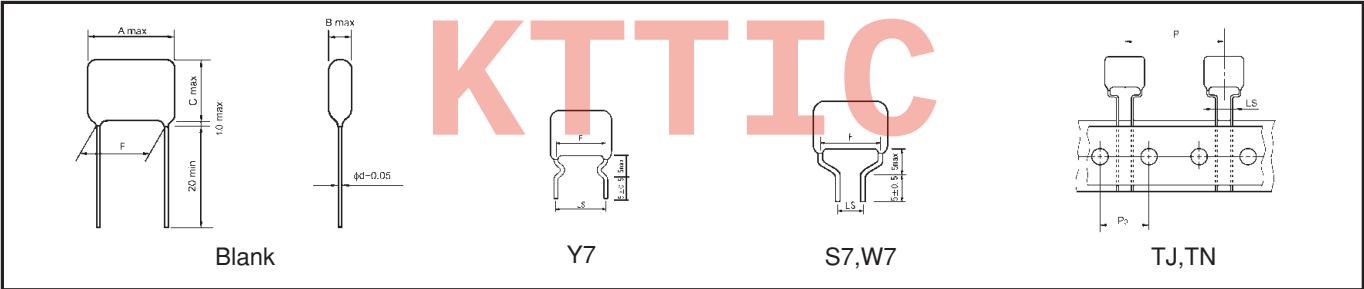


◆ SPECIFICATIONS

Category temperature	-40 ~ +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

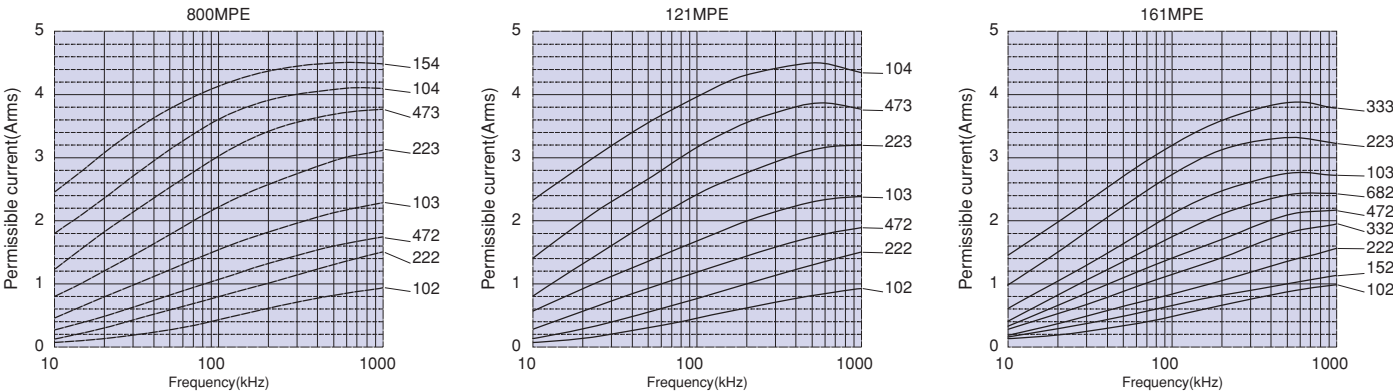
(mm)



◆ 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	200	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	400	—	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□**