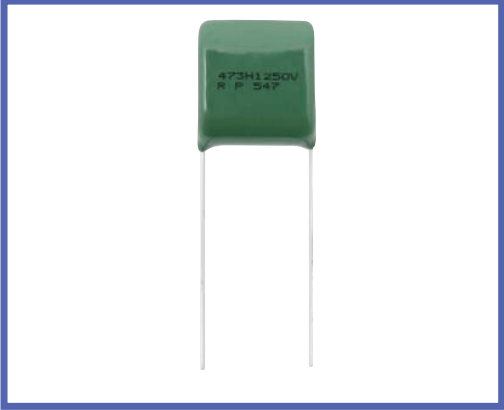


MPE SERIES

◆ 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.

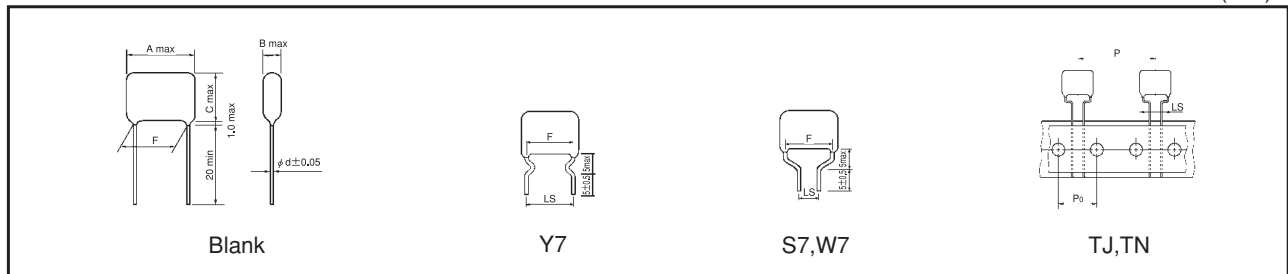


◆ SPECIFICATIONS

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

◆ OUTLINE

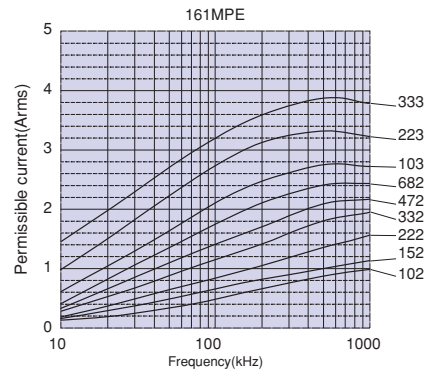
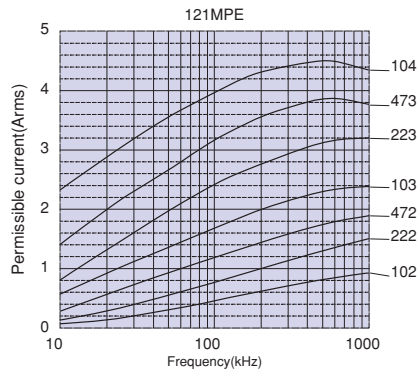
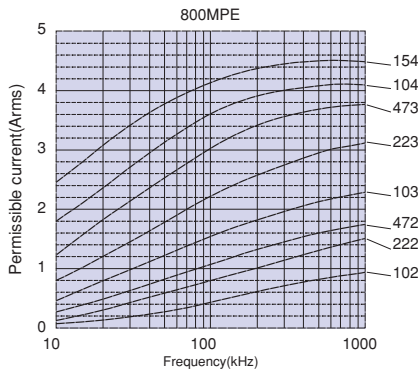
(mm)



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

◆ STANDARD SIZE
 :Tolerance **:Suffix

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□**	