



METALLIZED POLYPROPYLENE FILM CAPACITORS

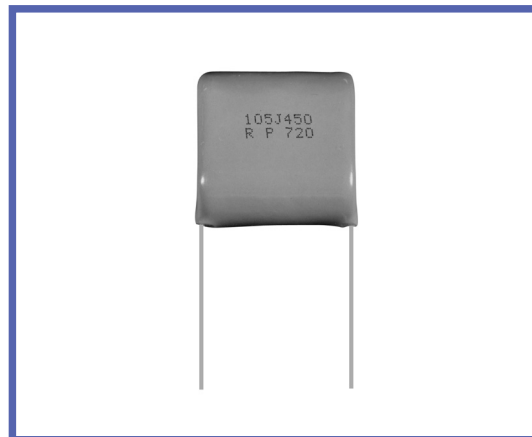
MPW-HP

MPW-HP SERIES

Previous Series

◆ FEATURES

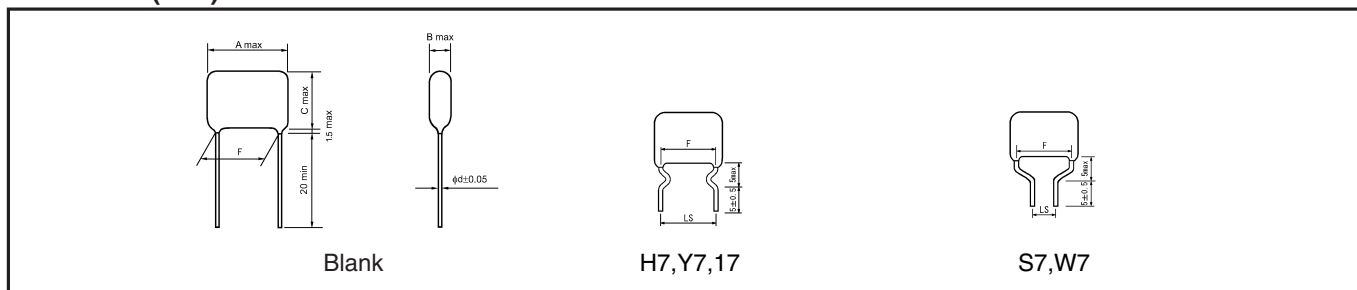
- High current application.
- For applications where high frequency, high current are required.
- Coated with flame-retardant (UL94 V-0) epoxy resin.



◆ SPECIFICATIONS

Category temperature	-40°C~+105°C (Derate the voltage as shown in the Fig2 at P188 when using the capacitor beyond 85°C.)
Rated voltage (U _R)	250VDC, 450VDC, 630VDC
Capacitance tolerance	±5%(J), ±10%(K)
tan δ	0.01max at 1kHz
Voltage proof	U _R ×150% 60s
Insulation resistance	0.33μF ≥ :9000MΩmin 0.33μF < :3000ΩFmin
Reference standard	JIS C 5101-16, JIS C 5101-1

◆ OUTLINE(mm)



◆ PART NUMBER



Symbol	U _R
250	250VDC
450	450VDC
630	630VDC

Symbol	Tolerance
J	± 5%
K	±10%

Symbol	Lead style	Symbol	Lead style
Blank	Long lead type	S7	Lead forming cut LS=5.0
H7	Lead forming cut LS=10.0	W7	Lead forming cut LS=7.5
Y7	Lead forming cut LS=15.0		
17	Lead forming cut LS=22.5		



METALLIZED POLYPROPYLENE FILM CAPACITORS

MPW-HP

◆ DIMENSIONS AND QUANTITY

◆ RATED VOLTAGE : 250VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)					
								Long Lead type		Taping Ammo pack type - style			
		A	B	C	F±1.5	LS±0.5	d	Bag	Carton	A	B, D	C	E
250MPW683□HP**	0.068	13.5	5.5	12.0	10.0	5.0/7.5/10.0	0.8	200	4,000	-	-	-	-
250MPW823□HP**	0.082	13.5	6.0	12.0	10.0	5.0/7.5/10.0	0.8	200	4,000	-	-	-	-
250MPW104□HP**	0.1	13.5	6.0	14.0	10.0	5.0/7.5/10.0	0.8	200	4,000	-	-	-	-
250MPW124□HP**	0.12	13.5	6.5	14.5	10.0	5.0/7.5/10.0	0.8	200	4,000	-	-	-	-
250MPW154□HP**	0.15	13.5	7.0	16.5	10.0	5.0/7.5/10.0	0.8	100	4,000	-	-	-	-
250MPW184□HP**	0.18	13.5	6.0	16.0	10.0	5.0/7.5/10.0	0.8	100	4,000	-	-	-	-
250MPW224□HP**	0.22	13.5	7.0	16.5	10.0	5.0/7.5/10.0	0.8	100	3,000	-	-	-	-
250MPW274□HP**	0.27	13.5	7.5	17.5	10.0	5.0/7.5/10.0	0.8	100	3,000	-	-	-	-
250MPW334□HP**	0.33	13.5	8.0	19.5	10.0	5.0/7.5/10.0	0.8	100	2,000	-	-	-	-
250MPW394□HP**	0.39	13.5	9.0	20.0	10.0	5.0/7.5/10.0	0.8	100	2,000	-	-	-	-
250MPW474□HP**	0.47	13.5	10.0	21.0	10.0	5.0/7.5/10.0	0.8	100	2,000	-	-	-	-
250MPW564□HP**	0.56	19.0	8.0	19.5	15.0	5.0/7.5/15.0	1.0	100	2,000	-	-	-	-
250MPW684□HP**	0.68	19.0	9.0	20.0	15.0	5.0/7.5/15.0	1.0	200	1,000	-	-	-	-
250MPW824□HP**	0.82	19.0	10.0	21.0	15.0	5.0/7.5/15.0	1.0	200	1,000	-	-	-	-
250MPW105□HP**	1.0	19.0	11.0	22.5	15.0	5.0/7.5/15.0	1.0	200	1,000	-	-	-	-
250MPW125□HP**	1.2	19.0	12.0	23.5	15.0	5.0/7.5/15.0	1.0	200	800	-	-	-	-
250MPW155□HP**	1.5	19.0	14.0	25.0	15.0	5.0/7.5/15.0	1.0	200	800	-	-	-	-
250MPW185□HP**	1.8	26.5	12.0	23.0	22.5	22.5	1.0	100	800	-	-	-	-
250MPW225□HP**	2.2	26.5	13.0	24.5	22.5	22.5	1.0	100	500	-	-	-	-
250MPW275□HP**	2.7	26.5	15.0	26.0	22.5	22.5	1.0	100	500	-	-	-	-
250MPW335□HP**	3.3	26.5	17.0	27.5	22.5	22.5	1.0	100	400	-	-	-	-
250MPW395□HP**	3.9	26.5	18.5	29.5	22.5	22.5	1.0	50	400	-	-	-	-
250MPW475□HP**	4.7	26.5	20.5	31.5	22.5	22.5	1.0	50	300	-	-	-	-

□ : Tolerance(J:±5%, K:±10%)

** : Suffix

◆ RATED VOLTAGE : 450VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)					
								Long Lead type		Taping Ammo pack type - style			
		A	B	C	F±1.5	LS±0.5	d	Bag	Carton	A	B, D	C	E
450MPW683□HP**	0.068	14.0	8.5	18.5	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW823□HP**	0.082	14.0	9.5	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW104□HP**	0.1	14.0	8.5	18.5	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW124□HP**	0.12	14.0	9.5	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW154□HP**	0.15	14.0	10.5	21.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW184□HP**	0.18	14.0	11.5	22.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW224□HP**	0.22	14.0	13.0	23.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW274□HP**	0.27	14.0	14.0	24.5	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
450MPW334□HP**	0.33	19.0	12.0	22.0	15.0	5.0/7.5/15.0	1.0	200	800	-	-	-	-
450MPW394□HP**	0.39	19.0	13.0	23.0	15.0	5.0/7.5/15.0	1.0	200	800	-	-	-	-
450MPW474□HP**	0.47	19.0	14.0	24.5	15.0	5.0/7.5/15.0	1.0	100	500	-	-	-	-
450MPW564□HP**	0.56	19.0	15.5	25.5	15.0	5.0/7.5/15.0	1.0	100	500	-	-	-	-
450MPW684□HP**	0.68	19.0	17.0	27.5	15.0	5.0/7.5/15.0	1.0	100	500	-	-	-	-
450MPW824□HP**	0.82	19.0	18.5	29.0	15.0	5.0/7.5/15.0	1.0	100	500	-	-	-	-
450MPW105□HP**	1.0	26.5	16.5	26.0	22.5	22.5	1.0	100	500	-	-	-	-
450MPW125□HP**	1.2	26.5	17.5	27.5	22.5	22.5	1.0	50	300	-	-	-	-
450MPW155□HP**	1.5	26.5	20.0	30.5	22.5	22.5	1.0	50	300	-	-	-	-
450MPW185□HP**	1.8	26.5	23.0	32.5	22.5	22.5	1.0	50	200	-	-	-	-
450MPW225□HP**	2.2	26.5	26.0	35.0	22.5	22.5	1.0	50	200	-	-	-	-

□ : Tolerance(J:±5%, K:±10%)

** : Suffix



METALLIZED POLYPROPYLENE FILM CAPACITORS

MPW-HP

◆ **RATED VOLTAGE : 630VDC**

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)					
								Long Lead type		Taping Ammo pack type - style			
		A	B	C	F±1.5	LS±0.5	d	Bag	Carton	A	B, D	C	E
630MPW683□HP**	0.068	14.0	10.5	21.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
630MPW823□HP**	0.082	14.0	11.5	22.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
630MPW104□HP**	0.1	14.0	12.5	23.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
630MPW124□HP**	0.12	14.0	13.5	24.0	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
630MPW154□HP**	0.15	14.0	15.5	25.5	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
630MPW184□HP**	0.18	14.0	17.0	26.5	10.0	5.0/7.5/10.0	0.8	200	1,000	-	-	-	-
630MPW224□HP**	0.22	19.0	13.5	24.0	15.0	5.0/7.5/15.0	1.0	200	800	-	-	-	-
630MPW274□HP**	0.27	19.0	15.0	25.5	15.0	5.0/7.5/15.0	1.0	100	800	-	-	-	-
630MPW334□HP**	0.33	19.0	16.5	27.0	15.0	5.0/7.5/15.0	1.0	100	500	-	-	-	-
630MPW394□HP**	0.39	19.0	18.0	28.5	15.0	5.0/7.5/15.0	1.0	100	500	-	-	-	-
630MPW474□HP**	0.47	19.0	20.0	30.5	15.0	5.0/7.5/15.0	1.0	100	300	-	-	-	-
630MPW564□HP**	0.56	26.5	16.5	27.0	22.5	22.5	1.0	50	300	-	-	-	-
630MPW684□HP**	0.68	26.5	19.0	28.5	22.5	22.5	1.0	50	200	-	-	-	-
630MPW824□HP**	0.82	26.5	21.5	30.5	22.5	22.5	1.0	50	200	-	-	-	-
630MPW105□HP**	1.0	26.5	24.0	33.0	22.5	22.5	1.0	50	200	-	-	-	-

□ : Tolerance(J:±5%, K:±10%) **: Suffix

◆ **ALLOWABLE CURRENT FOR FREQUENCY**

