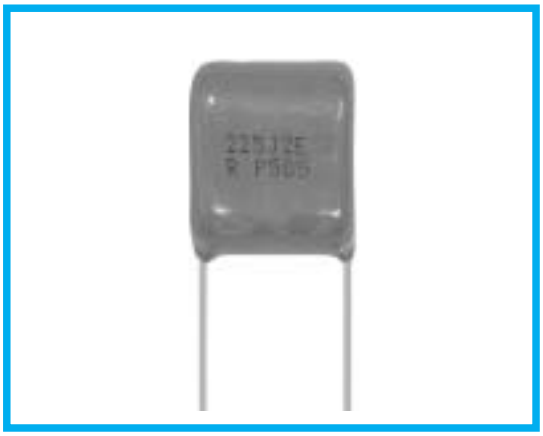
Rubycon METALLIZED POLYPROPYLENE FILM CAPACITORS MPH

MPH SERIES NEW



◆FEATURES

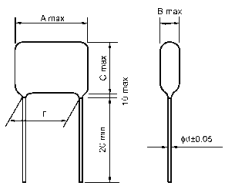
- Small and low E.S.R, compared with MPS series.
- Low buzz.
- For applications where high frequency, high current are required. (Switching power supply, lighting Inverter, etc)
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

◆SPECIFICATIONS

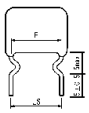
Category temperature	−40℃～+105℃
Rated voltage (U_R)	250VDC, 450VDC, 630VDC
Capacitance tolerance	±3%(H), ±5%(J), ±10%(K)
tan δ	0.001max at 1kHz
Voltage proof	U_R×150% 60s
Insulation resistance	0.33 μF≧:25000MΩmin 0.33 μF＜: 7500ΩFmin
Reference standard	JIS C 5101-16, JIS C 5101-1

◆OUTLINE

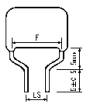
(mm)



Blank



H7,Y7,77



S7,W7

◆PART NUMBER

□□□ Rated Voltage / MPH Series / □□□ Rated capacitance / □ Tolerance / □□□ Sub mark / □□ Suffix

Symbol	U_R
250	250VDC
450	450VDC
630	630VDC

Symbol	Tolerance
H	± 3%
J	± 5%
K	±10%

Symbol	Lead style
Blank	Long lead type
H7	Lead forming cut LS=10.0
Y7	Lead forming cut LS=15.0
77	Lead forming cut LS=20.0
S7	Lead forming cut LS=5.0
W7	Lead forming cut LS=7.5

Rubycon METALLIZED POLYPROPYLENE FILM CAPACITORS MPH

◆DIMENTIONS 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±1.0	LS±0.5	d	Bag	Carton	A TC	B, D TX, TH	C TL, TJ	E TN	S TS
250MPH104□**	0.1	10.5	7.0	13.5	7.5	5.0/7.5	0.6	100	3,000	—	—	—	—	—
250MPH124□**	0.12	10.5	8.0	14.0	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—
250MPH154□**	0.15	10.5	8.5	15.0	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—
250MPH184□**	0.18	10.5	9.0	15.5	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—
250MPH224□**	0.22	10.5	8.5	14.5	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—
250MPH274□**	0.27	10.5	8.5	16.5	7.5	5.0/7.5	0.6	100	2,000	—	—	—	—	—
250MPH334□**	0.33	13.0	9.0	17.0	7.5	5.0/7.5	0.6	100	1,000	—	—	—	—	—
250MPH394□**	0.39	13.0	8.0	16.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	—	—	—	—
250MPH474□**	0.47	13.0	9.0	17.0	10.0	5.0/7.5/10.0	0.8	100	1,000	—	—	—	—	—
250MPH564□**	0.56	13.0	10.0	18.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
250MPH684□**	0.68	13.0	11.0	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
250MPH824□**	0.82	13.0	12.0	20.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
250MPH105□**	1.0	13.0	13.0	21.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
250MPH125□**	1.2	13.0	14.5	22.0	10.0	5.0/7.5/10.0	0.8	200	800	—	—	—	—	—
250MPH155□**	1.5	13.0	15.0	24.0	10.0	5.0/7.5/10.0	0.8	200	800	—	—	—	—	—
250MPH185□**	1.8	18.0	13.0	21.0	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—
250MPH225□**	2.2	18.0	14.0	21.5	15.0	7.5/10.0/15.0	0.8	100	500	—	—	—	—	—
250MPH275□**	2.7	18.0	16.0	23.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
250MPH335□**	3.3	18.0	17.0	27.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
250MPH395□**	3.9	18.0	18.5	28.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
250MPH475□**	4.7	18.0	20.5	29.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
250MPH565□**	5.6	23.5	18.5	28.0	20.0	20.0	1.0	100	500	—	—	—	—	—
250MPH685□**	6.8	23.5	19.5	30.5	20.0	20.0	1.0	100	500	—	—	—	—	—
250MPH825□**	8.2	23.5	22.0	32.5	20.0	20.0	1.0	100	500	—	—	—	—	—
250MPH106□**	10	23.5	24.5	34.0	20.0	20.0	1.0	100	500	—	—	—	—	—

□ : Tolerance（H:±3%，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±1.0	LS±0.5	d	Bag	Carton	A TC	B, D TX, TH	C TL, TJ	E TN	S TS
450MPH104□**	0.1	10.5	8.5	14.5	7.5	5.0/7.5	0.8	100	2,000	—	—	—	—	—
450MPH124□**	0.12	10.5	9.0	15.5	7.5	5.0/7.5	0.8	100	2,000	—	—	—	—	—
450MPH154□**	0.15	13.0	8.0	14.5	10.0	5.0/7.5/10.0	0.8	100	2,000	—	—	—	—	—
450MPH184□**	0.18	13.0	9.0	15.0	10.0	5.0/7.5/10.0	0.8	100	2,000	—	—	—	—	—
450MPH224□**	0.22	13.0	9.5	16.0	10.0	5.0/7.5/10.0	0.8	100	1,000	—	—	—	—	—
450MPH274□**	0.27	13.0	10.5	18.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
450MPH334□**	0.33	13.0	11.5	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
450MPH394□**	0.39	13.0	12.5	19.5	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
450MPH474□**	0.47	13.0	13.5	21.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
450MPH564□**	0.56	18.0	11.0	18.5	15.0	7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—
450MPH684□**	0.68	18.0	12.5	19.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—
450MPH824□**	0.82	18.0	13.5	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—
450MPH105□**	1.0	18.0	14.5	22.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
450MPH125□**	1.2	18.0	15.5	24.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
450MPH155□**	1.5	18.0	17.5	26.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
450MPH185□**	1.8	18.0	19.0	27.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
450MPH225□**	2.2	18.0	21.0	31.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
450MPH275□**	2.7	23.5	19.0	29.0	20.0	20.0	1.0	100	500	—	—	—	—	—
450MPH335□**	3.3	23.5	21.0	32.0	20.0	20.0	1.0	100	500	—	—	—	—	—
450MPH395□**	3.9	23.5	23.0	34.0	20.0	20.0	1.0	100	500	—	—	—	—	—
450MPH475□**	4.7	23.5	25.0	37.0	20.0	20.0	1.0	100	500	—	—	—	—	—

□ : Tolerance（H:±3%，J:±5%，K:±10%）　　** : Suffix

Rubycon METALLIZED POLYPROPYLENE FILM CAPACITORS MPH

◆DIMENTIONS AND QUANTITY

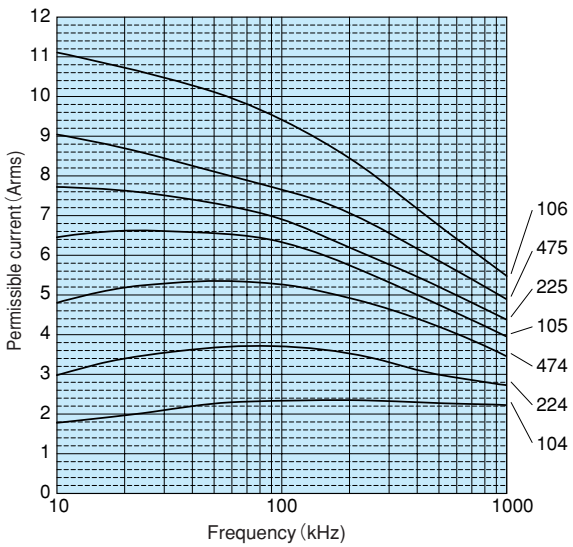
◆RATED VOLTAGE：630VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F±1.0	LS±0.5	d	Bag	Carton	A	B, D	C	E	S
										TC	TX, TH	TL, TJ	TN	TS
630MPH104□**	0.1	13.0	11.0	17.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
630MPH124□**	0.12	13.0	12.0	17.5	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
630MPH154□**	0.15	13.0	13.0	19.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
630MPH184□**	0.18	13.0	14.5	20.0	10.0	5.0/7.5/10.0	0.8	200	1,000	—	—	—	—	—
630MPH224□**	0.22	13.0	15.5	21.0	10.0	5.0/7.5/10.0	0.8	200	800	—	—	—	—	—
630MPH274□**	0.27	18.0	12.0	19.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—
630MPH334□**	0.33	18.0	13.5	20.5	15.0	7.5/10.0/15.0	0.8	200	800	—	—	—	—	—
630MPH394□**	0.39	18.0	14.5	22.0	15.0	7.5/10.0/15.0	0.8	100	500	—	—	—	—	—
630MPH474□**	0.47	18.0	16.0	23.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
630MPH564□**	0.56	18.0	17.0	24.5	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
630MPH684□**	0.68	18.0	18.0	27.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
630MPH824□**	0.82	18.0	20.0	29.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
630MPH105□**	1.0	18.0	21.0	32.0	15.0	7.5/10.0/15.0	1.0	100	500	—	—	—	—	—
630MPH125□**	1.2	23.5	19.0	30.0	20.0	20.0	1.0	100	500	—	—	—	—	—
630MPH155□**	1.5	23.5	22.0	33.0	20.0	20.0	1.0	100	500	—	—	—	—	—
630MPH185□**	1.8	23.5	24.0	35.0	20.0	20.0	1.0	100	500	—	—	—	—	—
630MPH225□**	2.2	23.5	26.5	38.0	20.0	20.0	1.0	100	500	—	—	—	—	—

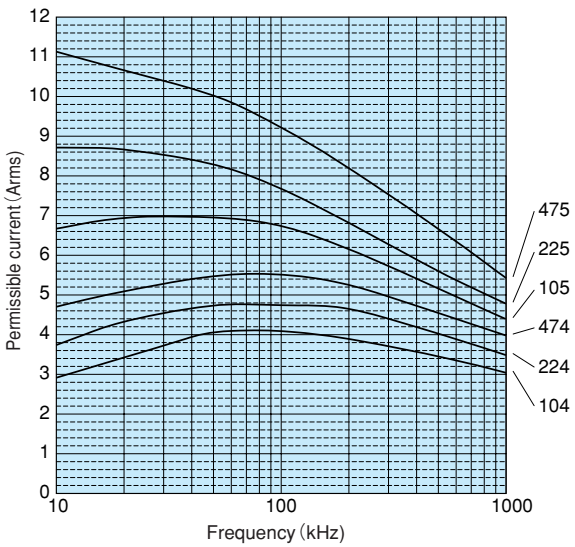
□ : Tolerance（H:±3%，J:±5%，K:±10%）　　** : Suffix

◆PERMISSIBLE CURRENT FOR FREQUENCY

250MPH



450MPH



630MPH

