

MPB SERIES

Standard

- For applications where high frequency and high current are required. (TV, display monitor, power supply, lighting Inverter, etc)
- Coated with flame-retardant (UL94 V-0) epoxy resin.

RoHS compliance

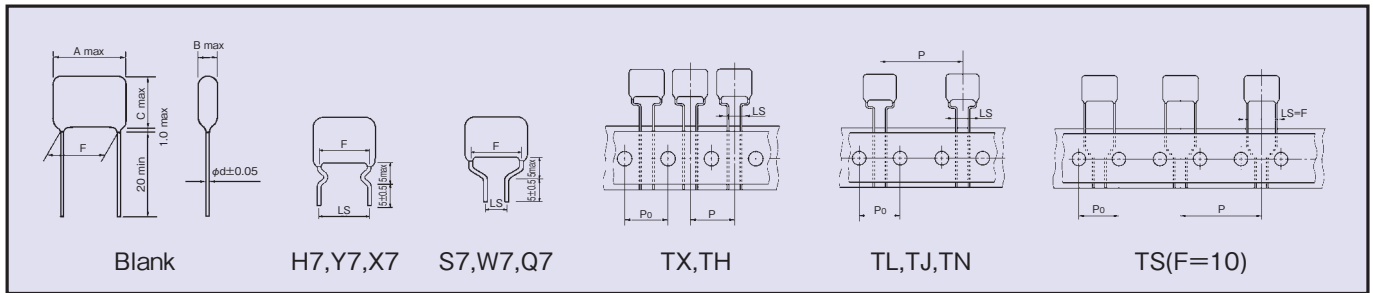


◆SPECIFICATIONS

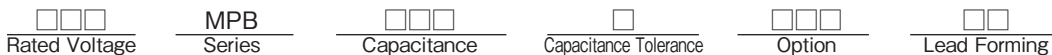
Category Temperature Range	-40~+105°C
Rated Voltage (U _R)	250Vdc, 450Vdc, 630Vdc
Capacitance Tolerance	±3%(H), ±5%(J), ±10%(K)
tanδ	0.001max at 1kHz
Voltage Proof	U _R ×150% 60s
Insulation Resistance	C≤0.33μF:25000MΩmin C>0.33μF: 7500ΩFmin
Reference Standard	JIS C 5101-16, JIS C 5101-1

◆DIMENSIONS

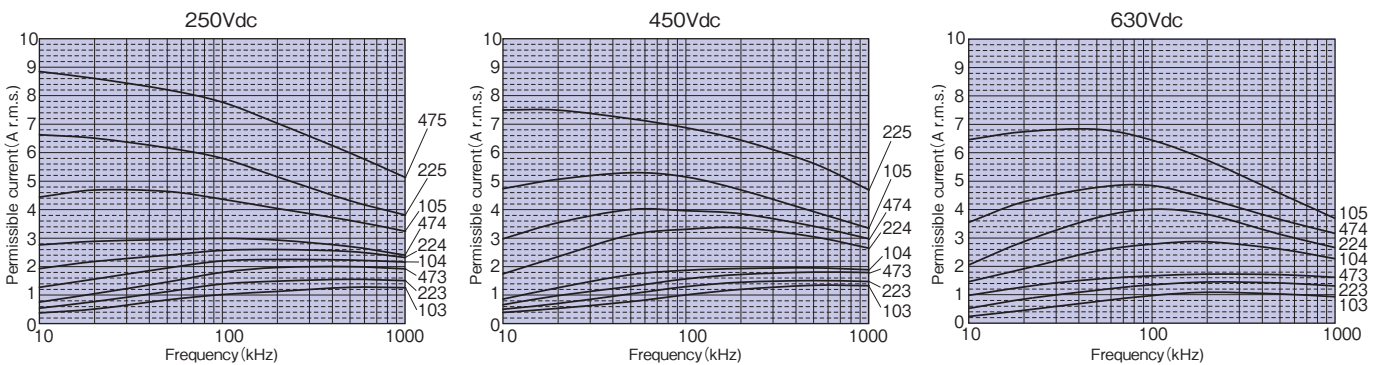
(mm)



◆PART NUMBER



◆PERMISSIBLE CURRENT FOR FREQUENCY





METALLIZED POLYPROPYLENE FILM CAPACITORS

MPB

◆STANDARD SIZE

□:Capacitance Tolerance

**:Lead Forming

Rated Voltage	Cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)								Part No.
		A	B	C	F±1.0	LS±0.5	d	Long Lead type		Taping Ammo Ppack Type - Style						
								Bag	Carton	TC	TX, TH	TL, TJ	TN	TS		
250 Vdc	0.01	13.0	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPB103□**	
	0.012	13.0	7.0	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPB123□**	
	0.015	13.0	7.0	10.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPB153□**	
	0.018	13.0	7.5	11.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPB183□**	
	0.022	13.0	8.5	11.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPB223□**	
	0.027	13.0	8.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	250MPB273□**	
	0.033	13.0	5.5	10.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPB333□**	
	0.039	13.0	5.5	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPB393□**	
	0.047	13.0	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPB473□**	
	0.056	13.0	7.0	12.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPB563□**	
	0.068	13.0	6.5	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPB683□**	
	0.082	13.0	6.5	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPB823□**	
	0.1	13.0	6.5	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	250MPB104□**	
	0.12	13.0	6.5	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPB124□**	
	0.15	13.0	7.0	12.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPB154□**	
	0.18	13.0	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	250MPB184□**	
	0.22	13.0	6.5	13.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPB224□**	
	0.27	13.0	6.5	13.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	250MPB274□**	
	0.33	13.0	8.0	14.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	250MPB334□**	
	0.39	18.0	6.0	14.0	15.0	5.0/7.5/10.0/15.0	0.6	100	2,000	—	—	400	400	—	250MPB394□**	
	0.47	18.0	6.0	14.5	15.0	5.0/7.5/10.0/15.0	0.6	100	2,000	—	—	400	400	—	250MPB474□**	
	0.56	18.0	7.0	15.0	15.0	5.0/7.5/10.0/15.0	0.6	100	2,000	—	—	400	400	—	250MPB564□**	
	0.68	18.0	7.5	16.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,500	—	—	400	400	—	250MPB684□**	
	0.82	18.0	8.0	16.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,500	—	—	400	300	—	250MPB824□**	
	1	18.0	9.0	17.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	250MPB105□**	
	1.2	18.0	10.0	18.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	250MPB125□**	
	1.5	23.0	8.5	18.5	20.0	20.0	0.8	200	1,000	—	—	—	—	—	250MPB155□**	
1.8	23.0	9.5	19.5	20.0	20.0	0.8	200	800	—	—	—	—	—	250MPB185□**		
2.2	23.0	10.5	20.5	20.0	20.0	0.8	200	800	—	—	—	—	—	250MPB225□**		
2.7	23.0	12.0	22.0	20.0	20.0	0.8	100	500	—	—	—	—	—	250MPB275□**		
3.3	23.0	13.0	23.5	20.0	20.0	1.0	100	500	—	—	—	—	—	250MPB335□**		
3.9	23.0	14.5	24.5	20.0	20.0	1.0	100	500	—	—	—	—	—	250MPB395□**		
4.7	23.5	16.0	26.0	20.0	20.0	1.0	100	400	—	—	—	—	—	250MPB475□**		
450 Vdc	0.01	13.0	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPB103□**	
	0.012	13.0	6.5	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPB123□**	
	0.015	13.0	7.0	10.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	450MPB153□**	
	0.018	13.0	7.5	11.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPB183□**	
	0.022	13.0	8.0	11.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPB223□**	
	0.027	13.0	8.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	450MPB273□**	
	0.033	13.0	5.5	10.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPB333□**	
	0.039	13.0	5.5	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	400	—	400	450MPB393□**	
	0.047	13.0	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	400	—	400	450MPB473□**	
	0.056	13.0	6.5	12.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPB563□**	
	0.068	13.5	7.5	13.0	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	400	—	400	450MPB683□**	
	0.082	13.5	7.5	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	450MPB823□**	
	0.1	18.0	6.5	10.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	450MPB104□**	
	0.12	18.0	7.0	10.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	450MPB124□**	
	0.15	18.0	7.0	12.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	450MPB154□**	
	0.18	18.0	7.0	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	450MPB184□**	
	0.22	18.0	7.5	14.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	400	—	450MPB224□**	
	0.27	18.0	8.5	14.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	450MPB274□**	
	0.33	18.0	8.5	16.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	450MPB334□**	
	0.39	18.0	9.0	17.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	450MPB394□**	
	0.47	18.0	9.5	18.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	300	—	450MPB474□**	
	0.56	23.0	9.0	17.0	20.0	20.0	0.8	200	1,000	—	—	—	—	—	450MPB564□**	
	0.68	23.0	9.5	19.5	20.0	20.0	0.8	200	800	—	—	—	—	—	450MPB684□**	
	0.82	23.0	10.5	20.0	20.0	20.0	0.8	200	800	—	—	—	—	—	450MPB824□**	
	1	23.0	11.0	21.0	20.0	20.0	0.8	100	500	—	—	—	—	—	450MPB105□**	
	1.2	23.0	12.5	22.5	20.0	20.0	1.0	100	500	—	—	—	—	—	450MPB125□**	
	1.5	23.0	13.0	24.0	20.0	20.0	1.0	100	500	—	—	—	—	—	450MPB155□**	
1.8	23.0	15.5	25.5	20.0	20.0	1.0	100	500	—	—	—	—	—	450MPB185□**		
2.2	23.0	16.5	27.0	20.0	20.0	1.0	100	400	—	—	—	—	—	450MPB225□**		
630 Vdc	0.01	13.0	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	1,000	500	—	500	630MPB103□**	
	0.012	13.0	6.5	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	500	—	500	630MPB123□**	
	0.015	13.0	7.0	10.5	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	500	—	500	630MPB153□**	
	0.018	13.0	7.5	11.0	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	500	—	500	630MPB183□**	
	0.022	13.0	6.5	10.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	500	500	—	500	630MPB223□**	
	0.027	13.0	6.5	11.0	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	500	—	500	630MPB273□**	
	0.033	13.0	7.0	11.5	10.0	5.0/7.5/10.0	0.8	100	3,000	—	500	500	—	500	630MPB333□**	
	0.039	13.0	7.5	12.5	10.0	5.0/7.5/10.0	0.8	100	2,000	—	500	400	—	400	630MPB393□**	
	0.047	18.0	6.5	11.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	630MPB473□**	
	0.056	18.0	7.0	11.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	500	400	—	630MPB563□**	
	0.068	18.0	7.5	12.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	630MPB683□**	
	0.082	18.0	8.0	12.5	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	630MPB823□**	
	0.1	18.0	8.5	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	630MPB104□**	
	0.12	18.0	9.0	14.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	630MPB124□**	
	0.15	18.0	9.5	15.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	300	300	—	630MPB154□**	
	0.18	18.0	10.0	16.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	300	300	—	630MPB184□**	
	0.22	18.0	11.0	17.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	200	—	630MPB224□**	
	0.27	23.0	10.5	16.5	20.0	20.0	0.8	200	800	—	—	—	—	—	630MPB274□**	
	0.33	23.0	10.5	18.5	20.0	20.0	0.8	200	800	—	—	—	—	—	630MPB334□**	
	0.39	23.0	11.5	19.5	20.0	20.0	0.8	200	800	—	—	—	—	—	630MPB394□**	
	0.47	23.0	12.0	21.5	20.0	20.0	0.8	100	500	—	—	—	—	—	630MPB474□**	
	0.56	23.0	13.0	22.5	20.0	20.0	1.0	100	500	—	—	—	—	—	630MPB564□**	
	0.68	23.0	14.5													