

MPK SERIES

UPGRADE

Miniaturized

◆FEATURES

- Miniaturized, Low height.
- Low buzz.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

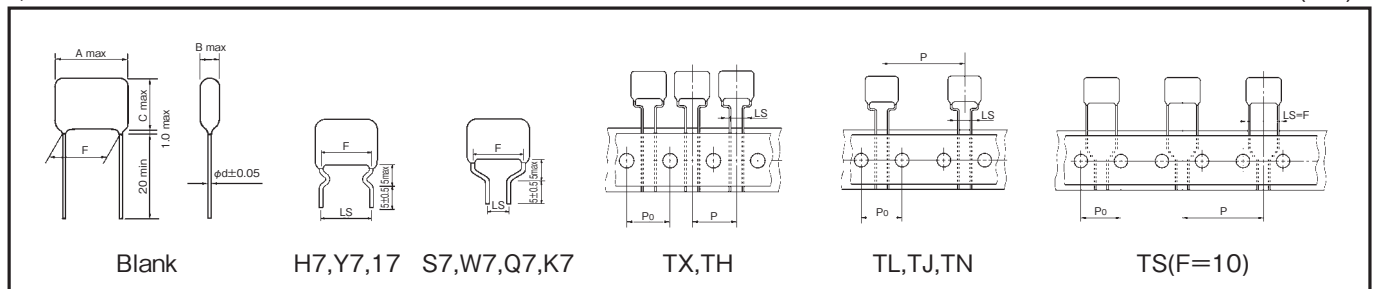


◆SPECIFICATIONS

Category Temperature Range	-40~+105°C (Derate the voltage as shown CAUTION FOR PROPER USE OF FILM CAPACITORS when using the capacitor beyond 85°C)
Rated Voltage (U _R)	450Vdc, 630Vdc, 800Vdc
Capacitance Tolerance	±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

◆OUTLINE

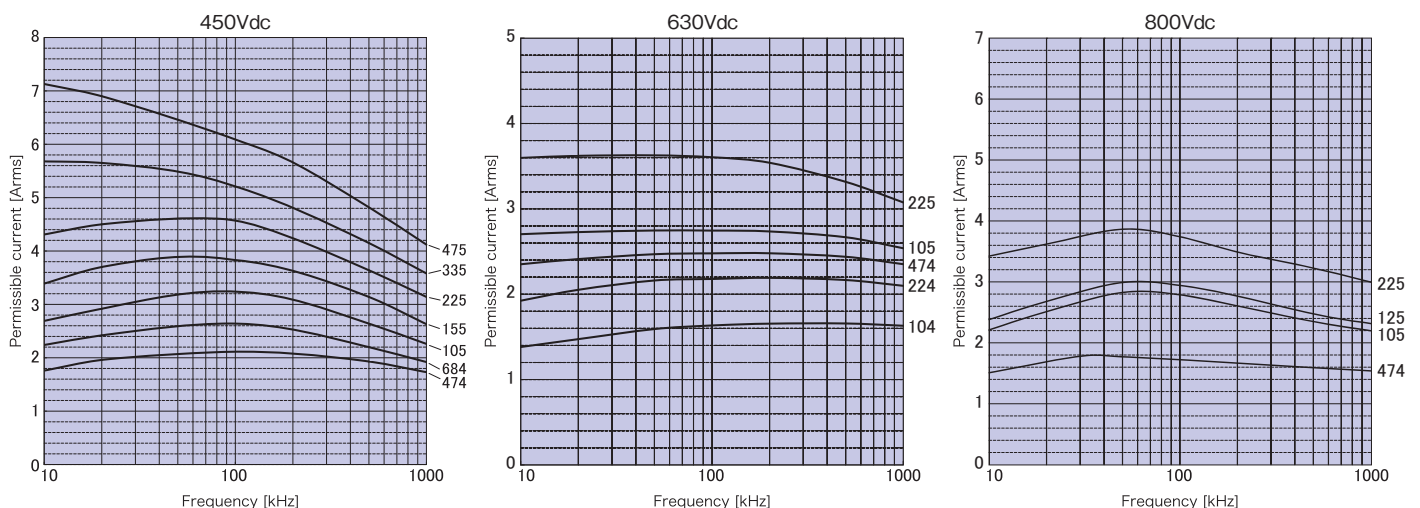
(mm)



◆PART NUMBER

Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming

◆PERMISSIBLE CURRENT FOR FREQUENCY



◆STANDARD SIZE

□ : Tolerance ** : Lead Forming

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	
450 Vdc	0.47	18.0	6.5	11.0	15.0	5.0/7.5/10.0/15.0	0.6	100	2,000	—	—	500	400	—	450MPK474□**
	0.56	18.0	7.0	11.5	15.0	5.0/7.5/10.0/15.0	0.6	100	2,000	—	—	500	400	—	450MPK564□**
	0.68	18.0	8.0	12.5	15.0	5.0/7.5/10.0/15.0	0.6	100	2,000	—	—	400	400	—	450MPK684□**
	0.82	18.0	8.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	300	—	450MPK824□**
	1	18.0	9.5	14.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	450MPK105□**
	1.2	18.0	10.0	15.0	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	—	—	—	450MPK125□**
	1.5	18.0	11.0	16.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	450MPK155□**
	1.8	18.0	13.0	17.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	450MPK185□**
	2.2	18.0	13.5	19.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	—	—	—	450MPK225□**
	2.7	18.0	14.5	21.0	15.0	5.0/7.5/10.0/15.0	0.8	200	800	—	—	—	—	—	450MPK275□**
	3.3	18.0	16.0	22.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPK335□**
	3.9	18.0	17.0	23.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPK395□**
	4.7	18.0	19.0	25.5	15.0	5.0/7.5/10.0/15.0	1.0	100	500	—	—	—	—	—	450MPK475□**
630 Vdc	0.1	13.0	8.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MPK104□**
	0.12	13.0	8.5	13.5	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MPK124□**
	0.15	13.0	9.0	14.5	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MPK154□**
	0.18	13.0	9.5	15.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	300	—	300	630MPK184□**
	0.22	13.0	10.5	15.5	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	300	—	300	630MPK224□**
	0.27	18.0	7.5	13.0	15.0	5.0/7.5/10.0/15.0	0.8	100	2,000	—	—	400	400	—	630MPK274□**
	0.33	18.0	8.0	13.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	630MPK334□**
	0.39	18.0	8.5	14.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	400	300	—	630MPK394□**
	0.47	18.0	9.5	15.5	15.0	5.0/7.5/10.0/15.0	0.8	100	1,000	—	—	300	300	—	630MPK474□**
	0.56	18.0	9.5	17.0	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	300	—	630MPK564□**
	0.68	18.0	10.5	18.5	15.0	5.0/7.5/10.0/15.0	0.8	200	1,000	—	—	300	—	—	630MPK684□**
	0.82	25.5	9.0	16.5	22.5	15.0/22.5	0.8	200	1,000	—	—	—	—	—	630MPK824□**
	1	25.5	10.0	17.0	22.5	15.0/22.5	0.8	200	1,000	—	—	—	—	—	630MPK105□**
	1.2	25.5	10.5	19.0	22.5	15.0/22.5	0.8	200	800	—	—	—	—	—	630MPK125□**
	1.5	25.5	11.0	20.0	22.5	15.0/22.5	0.8	100	500	—	—	—	—	—	630MPK155□**
	1.8	25.5	12.0	21.0	22.5	15.0/22.5	0.8	100	500	—	—	—	—	—	630MPK185□**
2.2	25.5	13.0	23.0	22.5	15.0/22.5	0.8	100	500	—	—	—	—	—	630MPK225□**	
800 Vdc	0.47	26.5	10.0	17.5	22.5	15.0/22.5	0.8	200	800	—	—	—	—	—	800MPK474□**
	0.56	26.5	10.5	18.0	22.5	15.0/22.5	0.8	200	800	—	—	—	—	—	800MPK564□**
	0.68	26.5	11.5	19.0	22.5	15.0/22.5	0.8	100	500	—	—	—	—	—	800MPK684□**
	0.82	26.5	13.0	20.0	22.5	15.0/22.5	0.8	100	500	—	—	—	—	—	800MPK824□**
	1	26.5	14.0	21.5	22.5	15.0/22.5	1.0	100	500	—	—	—	—	—	800MPK105□**
	1.2	31.5	13.0	22.0	27.5	—	1.0	100	400	—	—	—	—	—	800MPK125□**
	1.5	31.5	14.5	23.5	27.5	—	1.0	50	400	—	—	—	—	—	800MPK155□**
	1.8	31.5	16.0	25.0	27.5	—	1.0	50	300	—	—	—	—	—	800MPK185□**
	2.2	31.5	17.5	26.5	27.5	—	1.0	50	300	—	—	—	—	—	800MPK225□**