

MMG SERIES

◆ **FEATURES**

- Ultra small and light.
- Reliability is excellent because these capacitors provide self-healing.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

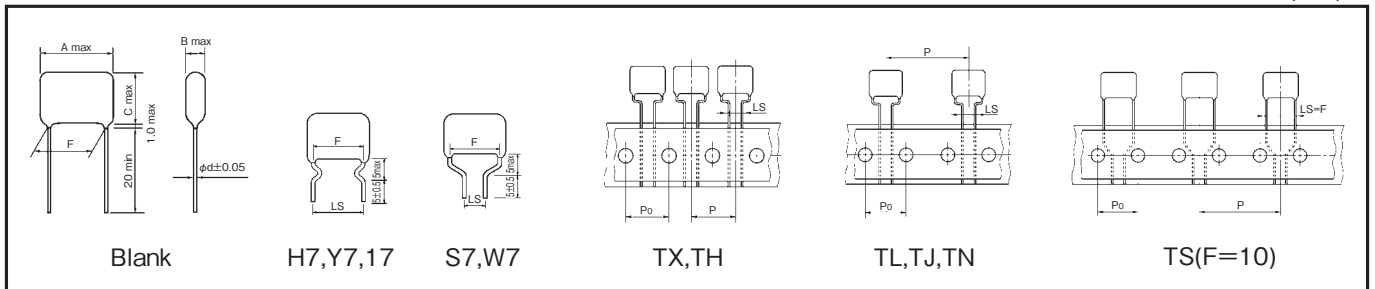


◆ **SPECIFICATIONS**

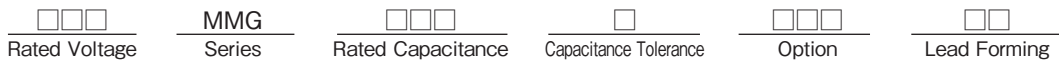
Category Temperature Range	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$ /Derate the voltage as shown in the "CAUTION FOR PROPER USE OF FILM CAPACITORS" when using the capacitor beyond 85°C .
Rated Voltage (U_R)	250VDC, 450VDC, 500VDC, 630VDC
Capacitance Tolerance	$\pm 5\%(\text{J})$, $\pm 10\%(\text{K})$
$\tan \delta$	0.01max at 1kHz
Voltage Proof	$U_R \times 150\%$ 60s
Insulation Resistance	$C \leq 0.33\mu\text{F}$: 15000M Ω min $C > 0.33\mu\text{F}$: 5000 Ω Fmin
Reference Standard	JIS C 5101-2, JIS C 5101-1

◆ **OUTLINE**

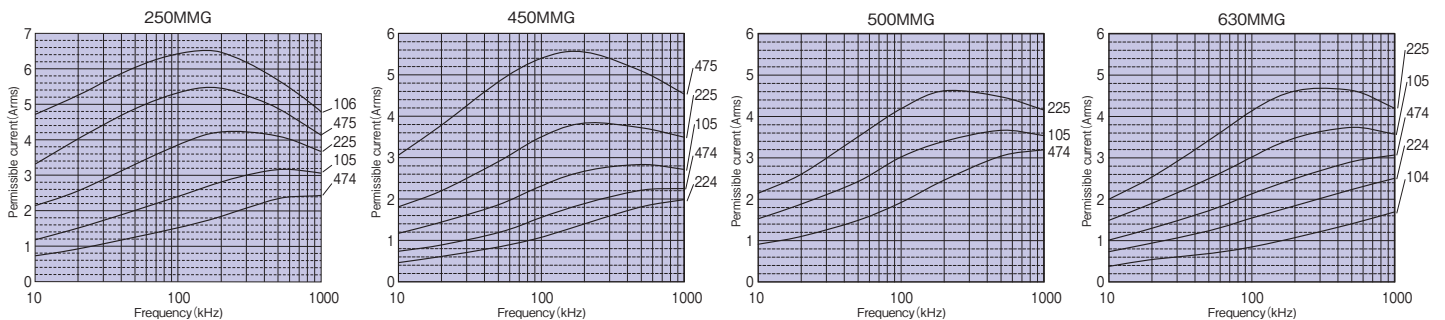
(mm)



◆ **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	
250 VDC	0.39	12.8	6.5	12.0	10.0	5.0/7.5/10.0	0.6	200	3,000	—	—	—	—	—	250MMG394□**
	0.47	12.8	6.5	14.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	—	—	—	—	250MMG474□**
	0.56	12.8	7.0	14.5	10.0	5.0/7.5/10.0	0.6	100	2,000	—	—	—	—	—	250MMG564□**
	0.68	12.8	7.0	16.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	—	—	—	—	250MMG684□**
	0.82	12.8	7.5	17.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	—	—	—	—	250MMG824□**
	1	12.8	8.5	17.5	10.0	5.0/7.5/10.0	0.6	100	1,000	—	—	—	—	—	250MMG105□**
	1.2	12.8	9.5	18.5	10.0	5.0/7.5/10.0	0.6	200	1,000	—	—	—	—	—	250MMG125□**
	1.5	12.8	10.5	20.0	10.0	5.0/7.5/10.0	0.6	200	1,000	—	—	—	—	—	250MMG155□**
	1.8	17.8	8.5	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	250MMG185□**
	2.2	17.8	9.5	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	250MMG225□**
	2.7	17.8	10.5	20.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	250MMG275□**
	3.3	17.8	12.0	21.5	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	250MMG335□**
	3.9	17.8	13.0	22.5	15.0	5.0/7.5/15.0	0.8	200	800	—	—	—	—	—	250MMG395□**
	4.7	17.8	14.5	24.0	15.0	5.0/7.5/15.0	0.8	100	500	—	—	—	—	—	250MMG475□**
	5.6	25.5	12.0	23.0	22.5	22.5	0.8	100	500	—	—	—	—	—	250MMG565□**
6.8	25.5	13.5	25.0	22.5	22.5	0.8	100	500	—	—	—	—	—	250MMG685□**	
8.2	25.5	15.0	26.0	22.5	22.5	0.8	100	500	—	—	—	—	—	250MMG825□**	
10	25.5	16.5	28.0	22.5	22.5	0.8	100	500	—	—	—	—	—	250MMG106□**	
450 VDC	0.12	12.8	5.0	10.0	10.0	5.0/7.5/10.0	0.6	200	5,000	—	1,000	500	—	500	450MMG124□**
	0.15	12.8	5.0	10.0	10.0	5.0/7.5/10.0	0.6	200	5,000	—	1,000	500	—	500	450MMG154□**
	0.18	12.8	6.0	10.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	1,000	500	—	500	450MMG184□**
	0.22	12.8	6.0	11.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	1,000	500	—	500	450MMG224□**
	0.27	12.8	6.0	13.5	10.0	5.0/7.5/10.0	0.6	200	4,000	—	1,000	500	—	500	450MMG274□**
	0.33	12.8	7.0	14.0	10.0	5.0/7.5/10.0	0.6	200	3,000	—	1,000	500	—	500	450MMG334□**
	0.39	12.8	7.5	14.5	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	500	—	500	450MMG394□**
	0.47	12.8	8.0	15.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	500	—	500	450MMG474□**
	0.56	17.8	6.5	14.0	15.0	5.0/7.5/15.0	0.6	100	2,000	—	—	500	500	—	450MMG564□**
	0.68	17.8	6.5	15.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	500	—	450MMG684□**
	0.82	17.8	7.5	16.0	15.0	5.0/7.5/15.0	0.8	100	2,000	—	—	500	400	—	450MMG824□**
	1	17.8	8.0	16.5	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	500	400	—	450MMG105□**
	1.2	17.8	8.5	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	400	—	450MMG125□**
	1.5	25.5	8.0	17.0	22.5	22.5	0.8	200	1,000	—	—	—	—	—	450MMG155□**
	1.8	25.5	8.5	18.0	22.5	22.5	0.8	200	1,000	—	—	—	—	—	450MMG185□**
	2.2	25.5	9.5	19.5	22.5	22.5	0.8	200	800	—	—	—	—	—	450MMG225□**
	2.7	25.5	10.5	21.5	22.5	22.5	0.8	200	800	—	—	—	—	—	450MMG275□**
3.3	25.5	11.5	22.5	22.5	22.5	0.8	100	500	—	—	—	—	—	450MMG335□**	
3.9	25.5	12.5	23.5	22.5	22.5	0.8	100	500	—	—	—	—	—	450MMG395□**	
4.7	25.5	14.0	25.0	22.5	22.5	0.8	100	500	—	—	—	—	—	450MMG475□**	
500 VDC	0.47	12.8	10.0	18.0	10.0	5.0/7.5/10.0	0.6	200	1,000	—	500	300	—	300	500MMG474□**
	0.56	17.8	8.5	16.5	15.0	5.0/7.5/15.0	0.6	200	1,000	—	—	400	300	—	500MMG564□**
	0.68	17.8	9.5	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	500MMG684□**
	0.82	17.8	10.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	500MMG824□**
	1	17.8	11.0	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	200	—	500MMG105□**
	1.2	17.8	13.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	—	—	—	500MMG125□**
	1.5	25.5	11.0	19.0	22.5	22.5	0.8	200	800	—	—	—	—	—	500MMG155□**
	1.8	25.5	12.0	20.0	22.5	22.5	0.8	100	800	—	—	—	—	—	500MMG185□**
2.2	25.5	14.0	20.5	22.5	22.5	0.8	100	500	—	—	—	—	—	500MMG225□**	
630 VDC	0.056	12.8	6.0	11.0	10.0	5.0/7.5/10.0	0.6	200	4,000	—	1,000	500	—	500	630MMG563□**
	0.068	12.8	6.5	11.0	10.0	5.0/7.5/10.0	0.6	200	3,000	—	500	500	—	500	630MMG683□**
	0.082	12.8	7.0	11.5	10.0	5.0/7.5/10.0	0.6	100	3,000	—	500	500	—	500	630MMG823□**
	0.1	12.8	7.0	13.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	500	—	500	630MMG104□**
	0.12	12.8	7.5	14.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MMG124□**
	0.15	12.8	8.0	14.5	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MMG154□**
	0.18	12.8	9.0	15.0	10.0	5.0/7.5/10.0	0.6	100	2,000	—	500	400	—	400	630MMG184□**
	0.22	12.8	10.0	16.5	10.0	5.0/7.5/10.0	0.6	100	1,000	—	500	400	—	400	630MMG224□**
	0.27	17.8	8.0	14.5	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	300	—	630MMG274□**
	0.33	17.8	8.5	15.0	15.0	5.0/7.5/15.0	0.8	100	1,000	—	—	400	300	—	630MMG334□**
	0.39	17.8	8.5	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	400	300	—	630MMG394□**
	0.47	17.8	9.5	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	630MMG474□**
	0.56	17.8	10.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	—	—	300	300	—	630MMG564□**
	0.68	17.8	11.0	20.5	15.0	5.0/7.5/15.0	0.8	200	800	—	—	300	200	—	630MMG684□**
	0.82	25.5	9.0	19.5	22.5	22.5	0.8	200	800	—	—	—	—	—	630MMG824□**
	1	25.5	10.0	20.5	22.5	22.5	0.8	200	800	—	—	—	—	—	630MMG105□**
	1.2	25.5	11.0	21.5	22.5	22.5	0.8	100	500	—	—	—	—	—	630MMG125□**
	1.5	25.5	12.5	22.5	22.5	22.5	0.8	100	500	—	—	—	—	—	630MMG155□**
	1.8	25.5	14.0	24.0	22.5	22.5	0.8	100	500	—	—	—	—	—	630MMG185□**
2.2	25.5	15.5	25.5	22.5	22.5	0.8	100	500	—	—	—	—	—	630MMG225□**	