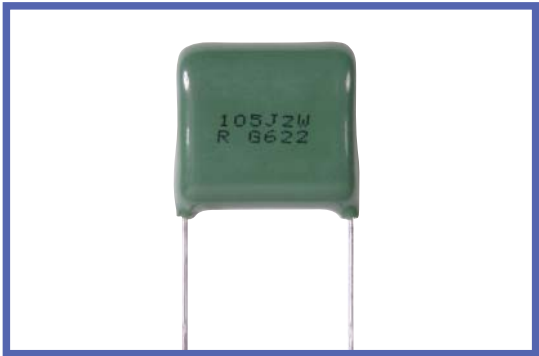




MMG SERIES

◆ FEATURES

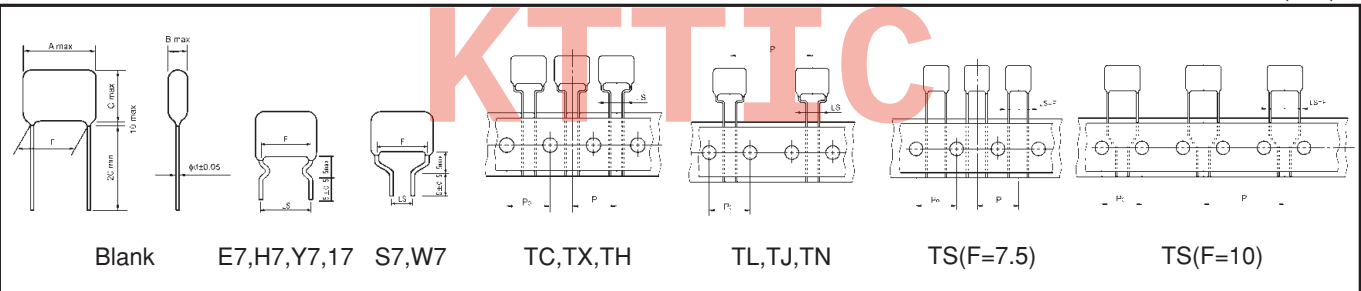
- Ultra small and light.
- Reliability is excellent because these capacitors provide self-healing.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.



◆ SPECIFICATIONS

Category temperature	-40 ~ +105°C (Derate the voltage as shown in the Fig2 at P233 when using the capacitor beyond 85°C.)
Rated voltage (U _R)	250VDC, 450VDC, 500VDC, 630VDC
Capacitance tolerance	±5%(J), ±10%(K)
tanδ	0.01max at 1kHz
Voltage proof	U _R ×150% 60s
Insulation resistance	0.33μF ≤ :15000MΩmin 0.33μF < :5000ΩFmin
Reference standard	JIS C 5101-2, JIS C 5101-1

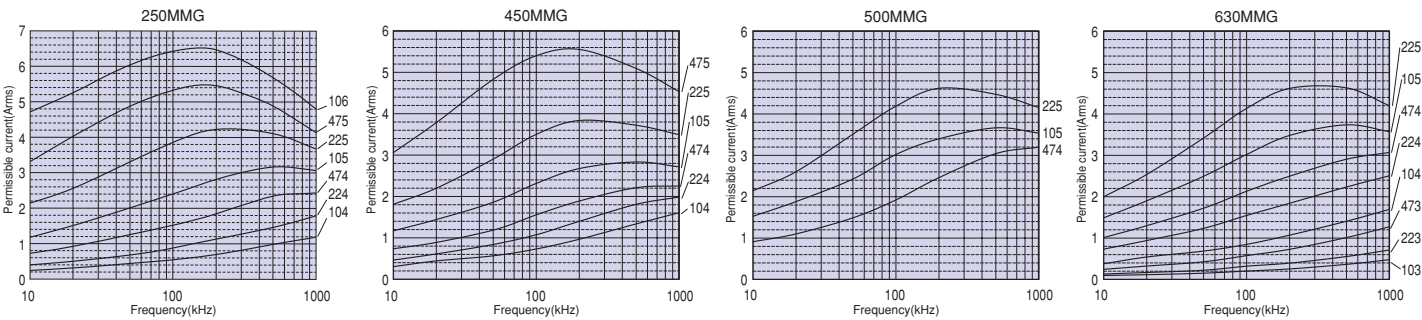
◆ OUTLINE



◆ 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	0.1	10.0	5.5	9.0	7.5	5.0/7.5	0.6	200	6,000	1,000	—	—	—	1,000	250MMG104□**
	0.12	10.0	5.5	10.0	7.5	5.0/7.5	0.6	200	5,000	1,000	—	—	—	1,000	250MMG124□**
	0.15	10.0	5.5	10.5	7.5	5.0/7.5	0.6	200	5,000	1,000	—	—	—	1,000	250MMG154□**
	0.18	10.0	6.0	10.0	7.5	5.0/7.5	0.6	200	5,000	1,000	—	—	—	1,000	250MMG184□**
	0.22	10.0	6.5	10.5	7.5	5.0/7.5	0.6	200	4,000	1,000	—	—	—	1,000	250MMG224□**
	0.27	10.0	6.5	12.0	7.5	5.0/7.5	0.6	200	4,000	—	—	—	—	—	250MMG274□**
	0.33	10.0	6.5	13.5	7.5	5.0/7.5	0.6	200	3,000	—	—	—	—	—	250MMG334□**
	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	0.1	10.0	5.5	10.5	7.5	5.0/7.5	0.6	200	6,000	1,500	—	—	—	1,500	450MMG104□**
	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□**	



◆ 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	
500 VDC	0.47	12.8	10.0	18.0	10.0	5.0/7.5/10.0	0.6	100	1,000	—	500	300	—	300	500MMG474□**
	0.56	17.8	8.5	16.5	15.0	5.0/7.5/15.0	0.6	100	1,000	—	—	400	300	—	500MMG564□**
	0.68	17.8	9.5	17.0	15.0	5.0/7.5/15.0	0.8	100	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	0.01	10.0	5.5	8.5	7.5	5.0/7.5	0.6	200	6,000	1,500	—	—	—	1,500	630MMG103□**
	0.012	10.0	5.5	9.0	7.5	5.0/7.5	0.6	200	6,000	1,500	—	—	—	1,500	630MMG123□**
	0.015	10.0	6.0	9.5	7.5	5.0/7.5	0.6	200	6,000	1,500	—	—	—	1,500	630MMG153□**
	0.018	10.0	6.5	10.0	7.5	5.0/7.5	0.6	200	6,000	1,000	—	—	—	1,000	630MMG183□**
	0.022	10.0	6.0	9.0	7.5	5.0/7.5	0.6	200	6,000	1,000	—	—	—	1,000	630MMG223□**
	0.027	10.0	6.0	9.5	7.5	5.0/7.5	0.6	200	5,000	1,000	—	—	—	1,000	630MMG273□**
	0.033	10.0	6.0	11.0	7.5	5.0/7.5	0.6	200	5,000	1,000	—	—	—	1,000	630MMG333□**
	0.039	10.0	6.5	11.0	7.5	5.0/7.5	0.6	200	4,000	1,000	—	—	—	1,000	630MMG393□**
	0.047	10.0	7.5	12.5	7.5	5.0/7.5	0.6	200	4,000	1,000	—	—	—	1,000	630MMG473□**
	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□**