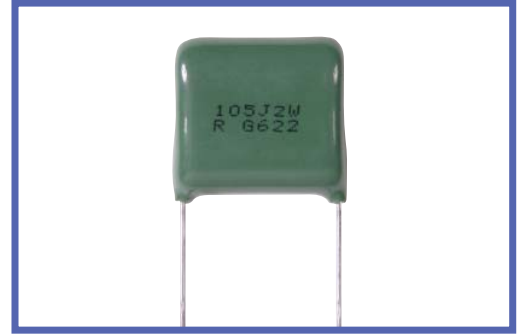


MMG SERIES

◆ 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.

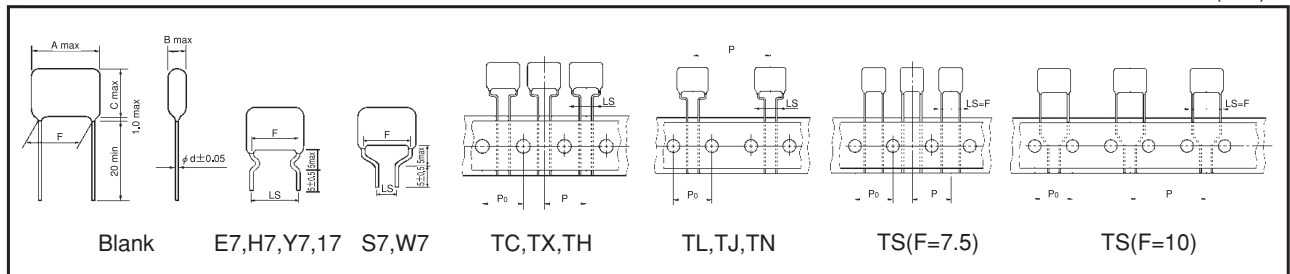


◆ SPECIFICATIONS

Category temperature	-40°C~+105°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 <sub>R</sub> )	250VDC, 450VDC, 500VDC, 630VDC
Capacitance tolerance	± 5%(J), ± 10%(K)
tanδ	0.01max at 1kHz
Voltage proof	U <sub>R</sub> ×150% 60s
Insulation resistance	C ≤ 0.33μF:15000MΩmin C > 0.33μF:5000ΩFmin
Reference standard	JIS C 5101-2, JIS C 5101-1

◆ OUTLINE

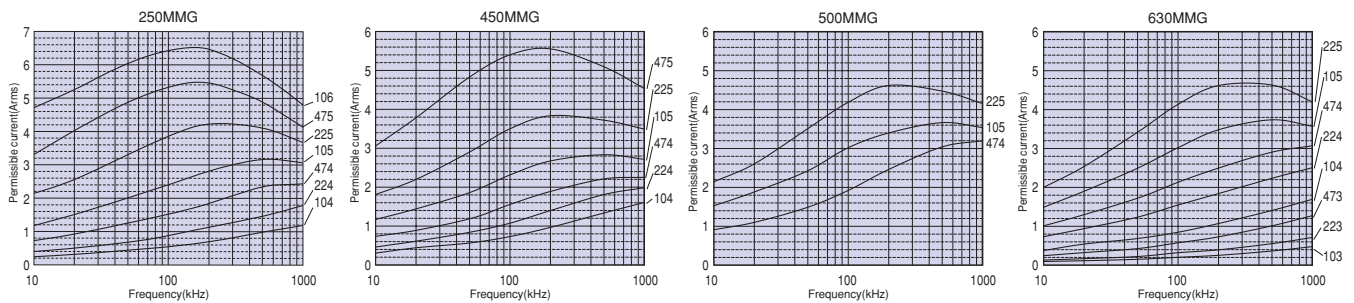
(mm)



◆ 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	0.1	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	200	1,000	-	500	300	-	300	500MMG474 <input type="checkbox"/> **
	0.56	17.8	8.5	16.5	15.0	5.0/7.5/15.0	0.6	200	1,000	-	-	400	300	-	500MMG564 <input type="checkbox"/> **
	0.68	17.8	9.5	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	400	300	-	500MMG684 <input type="checkbox"/> **
	0.82	17.8	10.0	18.0	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	300	300	-	500MMG824 <input type="checkbox"/> **
	1	17.8	11.0	19.0	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	300	200	-	500MMG105 <input type="checkbox"/> **
	1.2	17.8	13.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	-	-	-	500MMG125 <input type="checkbox"/> **
	1.5	25.5	11.0	19.0	22.5	22.5	0.8	200	800	-	-	-	-	-	500MMG155 <input type="checkbox"/> **
	1.8	25.5	12.0	20.0	22.5	22.5	0.8	100	800	-	-	-	-	-	500MMG185 <input type="checkbox"/> **
2.2	25.5	14.0	20.5	22.5	22.5	0.8	100	500	-	-	-	-	-	500MMG225 <input type="checkbox"/> **	
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 <input type="checkbox"/> **
	0.012	10.0	5.5	9.0	7.5	5.0/7.5	0.6	200	6,000	1,500	-	-	-	1,500	630MMG123 <input type="checkbox"/> **
	0.015	10.0	6.0	9.5	7.5	5.0/7.5	0.6	200	6,000	1,500	-	-	-	1,500	630MMG153 <input type="checkbox"/> **
	0.018	10.0	6.5	10.0	7.5	5.0/7.5	0.6	200	6,000	1,000	-	-	-	1,000	630MMG183 <input type="checkbox"/> **
	0.022	10.0	6.0	9.0	7.5	5.0/7.5	0.6	200	6,000	1,000	-	-	-	1,000	630MMG223 <input type="checkbox"/> **
	0.027	10.0	6.0	9.5	7.5	5.0/7.5	0.6	200	5,000	1,000	-	-	-	1,000	630MMG273 <input type="checkbox"/> **
	0.033	10.0	6.0	11.0	7.5	5.0/7.5	0.6	200	5,000	1,000	-	-	-	1,000	630MMG333 <input type="checkbox"/> **
	0.039	10.0	6.5	11.0	7.5	5.0/7.5	0.6	200	4,000	1,000	-	-	-	1,000	630MMG393 <input type="checkbox"/> **
	0.047	10.0	7.5	12.5	7.5	5.0/7.5	0.6	200	4,000	1,000	-	-	-	1,000	630MMG473 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	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 <input type="checkbox"/> **
	0.27	17.8	8.0	14.5	15.0	5.0/7.5/15.0	0.8	100	1,000	-	-	400	300	-	630MMG274 <input type="checkbox"/> **
	0.33	17.8	8.5	15.0	15.0	5.0/7.5/15.0	0.8	100	1,000	-	-	400	300	-	630MMG334 <input type="checkbox"/> **
	0.39	17.8	8.5	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	400	300	-	630MMG394 <input type="checkbox"/> **
	0.47	17.8	9.5	17.5	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	300	300	-	630MMG474 <input type="checkbox"/> **
	0.56	17.8	10.0	19.5	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	300	300	-	630MMG564 <input type="checkbox"/> **
0.68	17.8	11.0	20.5	15.0	5.0/7.5/15.0	0.8	200	800	-	-	300	200	-	630MMG684 <input type="checkbox"/> **	
0.82	25.5	9.0	19.5	22.5	22.5	0.8	200	800	-	-	-	-	-	630MMG824 <input type="checkbox"/> **	
1	25.5	10.0	20.5	22.5	22.5	0.8	200	800	-	-	-	-	-	630MMG105 <input type="checkbox"/> **	
1.2	25.5	11.0	21.5	22.5	22.5	0.8	100	500	-	-	-	-	-	630MMG125 <input type="checkbox"/> **	
1.5	25.5	12.5	22.5	22.5	22.5	0.8	100	500	-	-	-	-	-	630MMG155 <input type="checkbox"/> **	
1.8	25.5	14.0	24.0	22.5	22.5	0.8	100	500	-	-	-	-	-	630MMG185 <input type="checkbox"/> **	
2.2	25.5	15.5	25.5	22.5	22.5	0.8	100	500	-	-	-	-	-	630MMG225 <input type="checkbox"/> **	