

MTB SERIES

NEW

◆ FEATURES

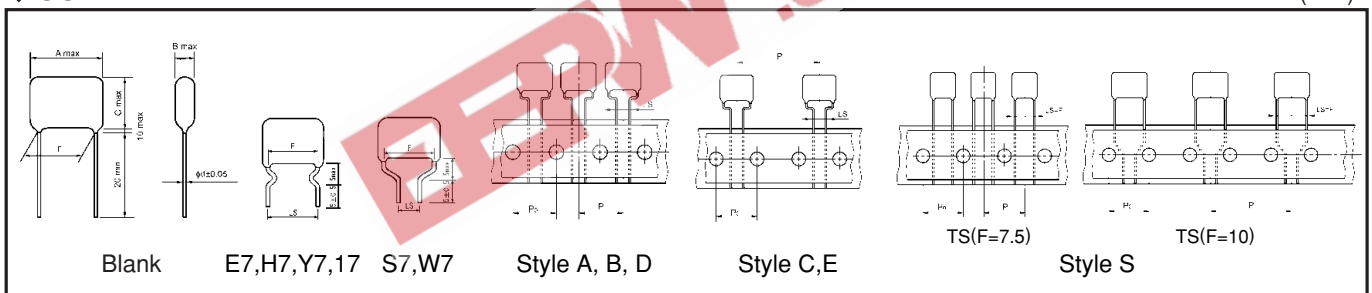
- 85°C/85%/500Hr available
- These capacitors provide self-healing.
- Coated with flame-retardant (UL94 V-0) epoxy resin.



◆ SPECIFICATIONS

Category temperature	-40°C~+105°C (Derate the voltage as shown in the Fig2 at P239 when using the capacitor beyond 85°C.)
Rated voltage (U _R)	250VDC, 400VDC
Capacitance tolerance	±5%(J), ±10%(K)
tanδ	0.01max at 1kHz
Voltage proof	U _R ×150% 60s
Insulation resistance	0.33 μF ≥ :9000MΩmin 0.33 μF < :3000ΩFmin
Reference standard	JIS C 5101-2, JIS C 5101-1

◆ OUTLINE



◆ PART NUMBER



Symbol	U _R
250	250VDC
400	400VDC

Symbol	Tolerance
J	± 5%
K	± 10%

Symbol	Lead style	Symbol	Lead style
Blank	Long lead type	TC	Style A, Ammo pack P=12.7 P ₀ =12.7 LS=5.0
E7	Lead forming cut LS=7.5	TX	Style B, Ammo pack P=15.0 P ₀ =15.0 LS=5.0
H7		TL(F=10) TJ(F≥15)	Style C, Ammo pack P=25.4 P ₀ =12.7 LS=5.0
Y7	Lead forming cut LS=15.0	TH	Style D, Ammo pack P=15.0 P ₀ =15.0 LS=7.5
17	Lead forming cut LS=22.5	TN	Style E, Ammo pack P=30.0 P ₀ =15.0 LS=7.5
S7	Lead forming cut LS=5.0	TS(F=7.5)	Style S, Ammo pack P=12.7 P ₀ =12.7
W7	Lead forming cut LS=7.5	TS(F=10)	Style S, Ammo pack P=25.4 P ₀ =12.7

◆ DIMENSIONS AND QUANTITY
◆ RATED VOLTAGE : 250VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)							
								Long Lead type		Taping Ammo pack type - style					
		A	B	C	F ±1.0	LS ±0.5	d	Bag	Carton	A TC	B, D TX, TH	C TL, TJ	E TN	S TS	
250MTB104□**	0.1	10.3	6.0	10.0	7.5	5.0/7.5	0.6	200	6,000	1,000	-	-	-	1,000	
250MTB124□**	0.12	10.3	6.0	10.0	7.5	5.0/7.5	0.6	200	6,000	1,000	-	-	-	1,000	
250MTB154□**	0.15	10.3	6.0	11.5	7.5	5.0/7.5	0.6	200	5,000	1,000	-	-	-	1,000	
250MTB184□**	0.18	12.8	5.0	11.0	10.0	5.0/7.5/10.0	0.6	200	5,000	-	1,000	500	-	500	
250MTB224□**	0.22	12.8	5.5	11.5	10.0	5.0/7.5/10.0	0.6	200	5,000	-	1,000	500	-	500	
250MTB274□**	0.27	12.8	6.5	12.0	10.0	5.0/7.5/10.0	0.6	200	4,000	-	1,000	500	-	500	
250MTB334□**	0.33	12.8	6.5	13.0	10.0	5.0/7.5/10.0	0.6	200	3,000	-	1,000	500	-	500	
250MTB394□**	0.39	18.0	5.0	11.0	15.0	5.0/7.5/15.0	0.6	200	3,000	-	-	500	500	-	
250MTB474□**	0.47	18.0	5.5	11.5	15.0	5.0/7.5/15.0	0.6	100	3,000	-	-	500	500	-	
250MTB564□**	0.56	18.0	5.5	13.0	15.0	5.0/7.5/15.0	0.6	100	2,000	-	-	500	500	-	
250MTB684□**	0.68	18.0	6.0	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	-	-	500	500	-	
250MTB824□**	0.82	18.0	6.5	14.0	15.0	5.0/7.5/15.0	0.8	100	2,000	-	-	500	400	-	
250MTB105□**	1.0	18.0	7.0	14.5	15.0	5.0/7.5/15.0	0.8	100	2,000	-	-	500	400	-	
250MTB125□**	1.2	18.0	7.5	16.5	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	400	400	-	
250MTB155□**	1.5	18.0	8.5	17.0	15.0	5.0/7.5/15.0	0.8	200	1,000	-	-	400	300	-	
250MTB185□**	1.8	25.5	7.0	16.5	22.5	22.5	0.8	200	1,000	-	-	-	-	-	
250MTB225□**	2.2	25.5	8.0	17.0	22.5	22.5	0.8	200	1,000	-	-	-	-	-	
250MTB275□**	2.7	25.5	9.0	18.0	22.5	22.5	0.8	200	800	-	-	-	-	-	
250MTB335□**	3.3	25.5	10.0	19.0	22.5	22.5	0.8	200	800	-	-	-	-	-	
250MTB395□**	3.9	25.5	11.0	20.0	22.5	22.5	0.8	100	500	-	-	-	-	-	
250MTB475□**	4.7	25.5	12.5	21.5	22.5	22.5	0.8	100	500	-	-	-	-	-	
250MTB565□**	5.6	31.0	11.0	22.0	27.5	-	0.8	100	500	-	-	-	-	-	
250MTB685□**	6.8	31.0	12.5	23.5	27.5	-	0.8	100	400	-	-	-	-	-	
250MTB825□**	8.2	31.0	14.0	24.5	27.5	-	0.8	50	400	-	-	-	-	-	
250MTB106□**	10.0	31.0	16.0	26.5	27.5	-	0.8	50	300	-	-	-	-	-	

□ : Tolerance (J: ±5%, K: ±10%) ** : Suffix

◆ RATED VOLTAGE : 400VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)							
								Long Lead type		Taping Ammo pack type - style					
		A	B	C	F ±1.0	LS ±0.5	d	Bag	Carton	A TC	B, D TX, TH	C TL, TJ	E TN	S TS	
400MTB104□**	0.1	12.8	6.0	9.5	10.0	5.0/7.5/10.0	0.6	200	4,000	1,000	1,000	-	-	500	
400MTB124□**	0.12	18.0	5.5	9.0	15.0	5.0/7.5/15.0	0.6	200	4,000	1,000	-	500	500	-	
400MTB154□**	0.15	18.0	6.0	9.0	15.0	5.0/7.5/15.0	0.6	200	4,000	1,000	-	500	500	-	
400MTB184□**	0.18	18.0	6.5	9.5	15.0	5.0/7.5/15.0	0.6	200	3,000	-	-	500	500	-	
400MTB224□**	0.22	18.0	5.5	12.5	15.0	5.0/7.5/15.0	0.6	100	3,000	-	-	500	500	-	
400MTB274□**	0.27	18.0	6.0	13.0	15.0	5.0/7.5/15.0	0.8	100	2,000	-	-	500	500	-	
400MTB334□**	0.33	18.0	6.5	13.5	15.0	5.0/7.5/15.0	0.8	100	2,000	-	-	500	400	-	
400MTB394□**	0.39	18.0	7.0	14.5	15.0	5.0/7.5/15.0	0.8	100	2,000	-	-	500	400	-	
400MTB474□**	0.47	18.0	7.5	16.0	15.0	5.0/7.5/15.0	0.8	100	1,000	-	-	500	400	-	
400MTB564□**	0.56	25.5	6.0	15.0	22.5	22.5	0.8	200	1,000	-	-	-	-	-	
400MTB684□**	0.68	25.5	6.5	15.5	22.5	22.5	0.8	200	1,000	-	-	-	-	-	
400MTB824□**	0.82	25.5	7.0	16.5	22.5	22.5	0.8	200	1,000	-	-	-	-	-	
400MTB105□**	1.0	25.5	7.5	18.5	22.5	22.5	0.8	200	1,000	-	-	-	-	-	
400MTB125□**	1.2	25.5	8.5	18.5	22.5	22.5	0.8	200	800	-	-	-	-	-	
400MTB155□**	1.5	31.0	8.5	19.0	27.5	-	0.8	200	800	-	-	-	-	-	
400MTB185□**	1.8	31.0	9.0	20.0	27.5	-	0.8	100	500	-	-	-	-	-	
400MTB225□**	2.2	31.0	10.5	21.0	27.5	-	0.8	100	500	-	-	-	-	-	
400MTB275□**	2.7	31.0	12.0	22.0	27.5	-	0.8	100	500	-	-	-	-	-	
400MTB335□**	3.3	31.0	13.0	24.0	27.5	-	0.8	50	400	-	-	-	-	-	
400MTB395□**	3.9	31.0	14.5	25.0	27.5	-	0.8	50	400	-	-	-	-	-	
400MTB475□**	4.7	31.0	16.0	27.0	27.5	-	0.8	50	300	-	-	-	-	-	

□ : Tolerance (J: ±5%, K: ±10%) ** : Suffix