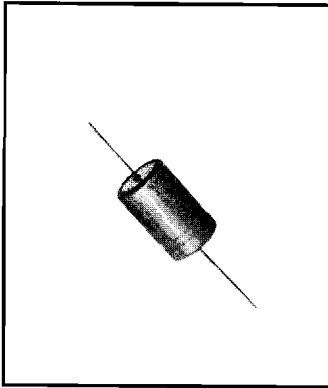


Type TT Axial Leaded Capacitors



- 85°C General Purpose
- Axial Leads for Low Profile Mounting
- Long Life
- High Reliability

GENERAL SPECIFICATIONS

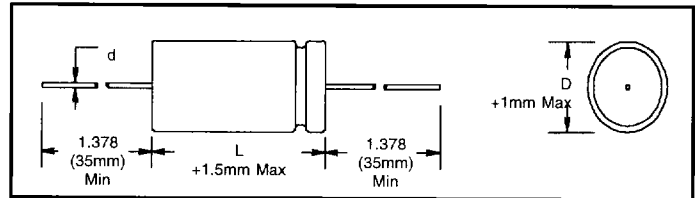
Operating Temperature:
-40°C to +85°C
Voltage Range:
6 WVDC to 250 WVDC
Capacitance Range:
1.0 F to 2,400 μ F
Capacitance Tolerance:
 \pm 20%
Other tolerances available

DC Leakage Current:
6 - 100 WVDC
 $I = .01 V + 3 A \text{ max}$
101 - 250 WVDC, CV < 1000
 $I = .03 CV + 15 A \text{ max}$
101 - 250 WVDC, CV > 1000
 $I = .02 CV + 25 A \text{ max}$
C = Capacitance in μ F
V = Rated Voltage
I = Leakage Current in mA

QA Stability Test:
Apply WVDC for 2,000 hrs at 85°C
Capacitance change \leq 20%
from initial limits
DC leakage current meets
initial limits
ESR \leq 150% of initial
measured value

The maximum ripple current at 85°C and 120 Hz for TT capacitors is shown in the Standard Rating Table. Maximum ripple current may be adjusted by the multipliers in the following table.

Temperature	Ripple Multipliers				
	60 Hz	120 Hz	400 Hz	1000 Hz	10 kHz up
105°C	0.4	0.5	0.55	0.67	0.75
85°C	0.8	1.0	1.1	1.35	1.5
75°C	1.1	1.4	1.55	1.9	2.1
65°C	1.2	1.6	1.75	2.1	2.4
45°C	1.5	1.9	2.1	2.5	2.8
25°C	1.8	2.25	2.5	3.0	3.3



Cap. μ F	Max ESR Ohms 120Hz 20°C	Max Ripple mA 120Hz 85°C	Size (Inches)			Size (mm)			Catalog Number
			D	x	L	d	D	x	

Cap. μ F	Max ESR Ohms 120Hz 20°C	Max Ripple mA 120Hz 85°C	Size (Inches)			Size (mm)			Catalog Number
			D	x	L	d	D	x	

6 WVDC; 8 VDC Surge									
100	3.60	95	.236 x .472	.024	6 x 12	.6	TT6M100A		
150	2.46	142	.236 x .630	.024	6 x 16	.6	TT6M150A		
200	1.89	186	.315 x .630	.024	8 x 16	.6	TT6M200A		
250	1.52	216	.315 x .630	.024	8 x 16	.6	TT6M250A		
300	1.27	236	.315 x .630	.024	8 x 16	.6	TT6M300A		
560	.68	381	.394 x .827	.024	10 x 21	.6	TT6M560A		
1,000	.37	585	.394 x .945	.024	10 x 24	.6	TT6M1000A		

16 WVDC; 20 VDC Surge									
600	.43	480	.394 x .945	.024	10 x 24	.6	TT16M600A		
1,000	.25	701	.394 x 1.181	.024	10 x 30	.6	TT16M1000A		
1,500	.18	992	.512 x 1.260	.031	13 x 32	.8	TT16M1500A		

10 WVDC; 12 VDC Surge									
300	1.02	236	.315 x .630	.024	8 x 16	.6	TT10M300A		
400	.76	287	.315 x .787	.024	8 x 20	.6	TT10M400A		
600	.51	406	.394 x .827	.024	10 x 21	.6	TT10M600A		
1,500	.21	824	.512 x .945	.031	13 x 24	.8	TT10M1500A		
2,400	.14	1046	.512 x .945	.031	13 x 24	.8	TT10M2400A		

25 WVDC; 35 VDC Surge									
1	117.90	12	.197 x .472	.024	5 x 12	.6	TT25M1A		
2	68.33	18	.197 x .472	.024	5 x 12	.6	TT25M2A		
4	30.90	25	.197 x .472	.024	5 x 12	.6	TT25M4A		
5	29.96	25	.197 x .472	.024	5 x 12	.6	TT25M5A		
10	22.10	25	.197 x .472	.024	5 x 12	.6	TT25M10A		
15	14.74	36	.197 x .472	.024	5 x 12	.6	TT25M15A		
20	11.39	41	.236 x .472	.024	6 x 12	.6	TT25M20A		
25	9.14	56	.236 x .472	.024	6 x 12	.6	TT25M25A		
35	6.41	79	.236 x .630	.024	6 x 16	.6	TT25M35A		
50	4.50	94	.236 x .630	.024	6 x 16	.6	TT25M50A		
75	3.02	115	.236 x .630	.024	6 x 16	.6	TT25M75A		
100	2.21	158	.315 x .630	.024	8 x 16	.6	TT25M100A		
150	1.47	194	.315 x .630	.024	8 x 16	.6	TT25M150A		
200	1.14	239	.315 x .787	.024	8 x 20	.6	TT25M200A		
300	.76	337	.394 x .827	.024	10 x 21	.6	TT25M300A		
400	.57	414	.394 x .945	.024	10 x 24	.6	TT25M400A		
500	.45	484	.394 x .945	.024	10 x 24	.6	TT25M500A		
600	.38	557	.394 x 1.181	.024	10 x 30	.6	TT25M600A		
800	.29	682	.512 x .945	.031	13 x 24	.8	TT25M800A		

12 WVDC; 15 VDC Surge									
25	10.35	36	.197 x .472	.024	5 x 12	.6	TT12M25A		
50	5.10	73	.236 x .472	.024	6 x 12	.6	TT12M50A		
100	2.51	125	.236 x .630	.024	6 x 16	.6	TT12M100A		
250	1.04	241	.315 x .630	.024	8 x 16	.6	TT12M250A		
500	.51	426	.394 x .827	.024	10 x 21	.6	TT12M500A		
1,000	.25	701	.394 x 1.181	.024	10 x 30	.6	TT12M1000A		
2,000	.17	1118	.512 x 1.260	.024	13 x 32	.8	TT12M2000A		

16 WVDC; 20 VDC Surge									
2	68.33	18	.197 x .472	.024	5 x 12	.6	TT16M2A		
4	30.09	26	.197 x .472	.024	5 x 12	.6	TT16M4A		
5	29.96	26	.197 x .472	.024	5 x 12	.6	TT16M5A		
10	22.10	25	.197 x .472	.024	5 x 12	.6	TT16M10A		
15	14.74	36	.197 x .472	.024	5 x 12	.6	TT16M15A		
20	11.39	33	.197 x .472	.024	5 x 12	.6	TT16M20A		
25	9.14	36	.197 x .472	.024	5 x 12	.6	TT16M25A		
50	5.10	74	.236 x .472	.024	6 x 12	.6	TT16M50A		
100	2.51	125	.236 x .630	.024	6 x 16	.6	TT16M100A		
150	1.67	182	.315 x .630	.024	8 x 16	.6	TT16M150A		
200	1.29	209	.315 x .630	.024	8 x 16	.6	TT16M200A		
260	1.00	248	.315 x .630	.024	8 x 16	.6	TT16M260A		
350	.73	312	.315 x .787	.024	8 x 20	.6	TT16M350A		
500	.51	426	.394 x .827	.024	10 x 21	.6	TT16M500A		

50 WVDC; 65 VDC Surge									
1	117.90	12	.197 x .472	.024	5 x 12	.6	TT50M1A		
2	68.33	17	.197 x .472	.024	5 x 12	.6	TT50M2A		
4	33.71	23	.197 x .472	.024	5 x 12	.6	TT50M4A		
5	29.96	26	.197 x .472	.024	5 x 12	.6	TT50M5A		
10	14.74	35	.236 x .472	.024	6 x 12	.6	TT50M10A		
15	9.82	63	.236 x .630	.024	6 x 16	.6	TT50M15A		
20	7.59	73	.236 x .630	.024	6 x 16	.6	TT50M20A		
25	6.09	85	.236 x .630	.024	6 x 16	.6	TT50M25A		
35	4.28	114	.315 x .630	.024	8 x 16	.6	TT50M35A		
50	3.00	139	.315 x .630	.024	8 x 16	.6	TT50M50A		
75	2.02	183	.315 x .787	.024	8 x 20	.6	TT50M75A		
100	1.47	212	.315 x .787	.024	8 x 20	.6	TT50M100A		
150	.98	320	.394 x .945	.024	10 x 24	.6	TT50M150A		
200	.76	368	.394 x .945	.024	10 x 24	.6	TT50M200A		

Aluminum Capacitors

Type TT Axial Leaded Capacitors

MALLORY

Cap μ F	Max ESR Ohms 120Hz 20°C	Max Ripple mA 120Hz 85°C	Size (Inches)			Size (mm)			Catalog Number		
			D	x	L	d	D	x	L	d	

50 WVDC; 65 VDC Surge											
250	.61	425	.394	x	.945	.024	10	x	24	.6	TT50M250A
300	.51	475	.394	x	1.181	.024	10	x	30	.6	TT50M300A
350	.43	482	.394	x	1.181	.024	10	x	30	.6	TT50M350A
400	.38	501	.512	x	.945	.031	13	x	24	.8	TT50M400A
450	.33	550	.512	x	.945	.031	13	x	24	.8	TT50M450A

100 WVDC; 120 VDC Surge											
10	11.79	68	.315	x	.630	.024	8	x	16	.6	TT100M10A
20	6.07	103	.315	x	.787	.024	8	x	20	.6	TT100M20A
50	2.40	196	.394	x	.827	.024	10	x	21	.6	TT100M50A

150 WVDC; 175 VDC Surge											
1	147.40	15	.236	x	.551	.024	6	x	14	.6	TT150M1A
5	29.97	47	.315	x	.787	.024	8	x	20	.6	TT150M5A
10	14.74	67	.315	x	.787	.024	8	x	20	.6	TT150M10A
15	9.82	96	.394	x	.827	.024	10	x	21	.6	TT150M15A
20	7.59	114	.394	x	.945	.024	10	x	24	.6	TT150M20A
25	6.09	134	.394	x	.945	.024	10	x	24	.6	TT150M25A

Cap μ F	Max ESR Ohms 120Hz 20 C	Max Ripple mA 120Hz 85°C	Size (Inches)			Size (mm)			Catalog Number		
			D	x	L	d	D	x	L	d	

200 WVDC; 250 VDC Surge											
1	221.00	16	.236	x	.630	.024	6	x	16	.6	TT200M1A
2	113.90	27	.315	x	.630	.024	8	x	16	.6	TT200M2A

250 WVDC; 300 VDC Surge											
2	152.22	22	.315	x	.630	.024	8	x	16	.6	TT250M2A
4	76.01	35	.394	x	.945	.024	10	x	24	.6	TT250M4A
10	29.57	67	.394	x	.945	.024	10	x	24	.6	TT250M10A
20	15.19	110	.512	x	.945	.031	13	x	24	.6	TT250M20A