

Wet Tantalum Capacitors Subminiature, Axial Leads



FEATURES

- Maximum CV/Unit volume
- Ruggedized construction
- Low dissipation factor
- Low DC leakage
- 100% 25°C DCL screening
- 100% voltage age @ 85°C - 8 hours
- 100% cap & DF screening

APPLICATIONS

- Timing Circuits
- Filter Coupling
- Energy Storage
- By-Pass Circuits

PERFORMANCE CHARACTERISTICS

Operating Temperature: - 55°C to + 85°C

Voltage Range: 6 to 60VDC

Reverse Voltage: None

Capacitance Range: 3.3 μ F to 470 μ F

Tolerance Range: $\pm$ 10%, $\pm$ 20%

DC Leakage:

At + 25°C: 2.0 μ A max

At + 85°C: 6.0 to 10.0 μ A max

MAX RMS RIPPLE CURRENT AT 85°C

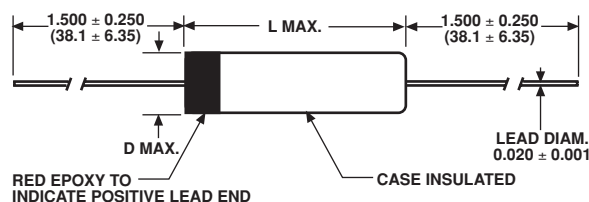
Case Code	D	A	B	C
Milliamps	7.5	12.5	50	140

Case Sizes: (Four) .115 x .300 to .225 x .778

ORDERING INFORMATION

MTP	156	K	006	P	1	D
MODEL	CAPACITANCE CODE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING	CASE CODE	STYLE NUMBER	CASE SIZE CODE
MTP Subminiature	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	M = $\pm$ 20% K = $\pm$ 10%	This is expressed in volts. To complete the three-digit block, zeros precede the voltage rating.	P = Polar	1 = Mylar Sleeve	

DIMENSIONS in inches [millimeters]



	D	L	APPROX WEIGHT
CASE	INCHES [mm]	INCHES [mm]	GRAMS*
D	0.115 [2.92]	0.300 [7.62]	0.40
A	0.115 [2.92]	0.403 [10.23]	0.50
B	0.145 [3.68]	0.600 [15.24]	1.00
C	0.225 [5.72]	0.778 [19.76]	2.60

*1 Gram = .035 oz.



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MTP
Vishay

STANDARD RATINGS									
CAP (μ F)	VOLTS DC	CASE CODE	PART NUMBER	Max. DCL μ A		Max. ESR Ω + 25°C	Max. Z Ω - 55°C	Max. % $^{\circ}$ C from + 25°C	
				+ 25°C	+ 85°C			to - 55°C	to + 85°C
15	6	D	MTP156*006P1D	2.0	6.0	15.9	300	-40	+15
47	6	A	MTP476*006P1A	2.0	6.0	9.6	85	-60	+15
150	6	B	MTP157*006P1B	2.0	8.0	3.9	35	-50	+15
180	6	B	MTP187*006P1B	2.0	8.0	3.4	32	-50	+15
450	6	C	MTP457*006P1C	2.0	10.0	1.9	25	-60	+15
470	6	C	MTP477*006P1C	2.0	10.0	1.8	23	-60	+15
10	10	D	MTP106*010P1D	2.0	6.0	18.6	380	-40	+15
33	10	A	MTP336*010P1A	2.0	6.0	11.3	100	-40	+15
100	10	B	MTP107*010P1B	2.0	8.0	4.0	46	-45	+15
120	10	B	MTP127*010P1B	2.0	8.0	3.5	42	-50	+15
300	10	C	MTP307*010P1C	2.0	10.0	1.8	31	-60	+15
330	10	C	MTP337*010P1C	2.0	10.0	1.6	31	-60	+15
22	15	A	MTP226*015P1A	2.0	6	12.1	120	-40	+12
68	15	B	MTP686*015P1B	2.0	8.0	6.2	58	-45	+12
80	15	B	MTP806*015P1B	2.0	8.0	5.3	50	-45	+12
200	15	C	MTP207*015P1C	2.0	10.0	2.0	37	-50	+12
220	15	C	MTP227*015P1C	2.0	10.0	1.8	36	-50	+12
6.8	20	D	MTP685*020P1D	2.0	6.0	27.3	445	-35	+11
15	20	A	MTP156*020P1A	2.0	6.0	17.7	150	-40	+11
47	20	B	MTP476*020P1B	2.0	8.0	6.8	73	-40	+11
60	20	B	MTP606*020P1B	2.0	8.0	7.1	60	-45	+11
150	20	C	MTP157*020P1C	2.0	10.0	2.7	38	-50	+11
6	30	D	MTP605*030P1D	2.0	6.0	30.9	459	-40	+10
10	30	A	MTP106*030P1A	2.0	6.0	21.2	200	-35	+10
45	30	B	MTP456*030P1B	2.0	8.0	7.1	80	-35	+10
120	30	C	MTP127*030P1C	2.0	10.0	3.3	42	-45	+10
4.7	35	D	MTP475*035P1D	2.0	6.0	39.5	570	-30	+10
10	35	A	MTP106*035P1A	2.0	6.0	21.2	240	-35	+10
100	35	C	MTP107*035P1C	2.0	10.0	4.0	48	-45	+10
4	50	D	MTP405*050P1D	2.0	6.0	39.8	600	-30	+10
6.8	50	A	MTP685*050P1A	2.0	6.0	31.2	310	-30	+10
30	50	B	MTP306*050P1B	2.0	8.0	9.7	120	-30	+10
33	50	B	MTP336*050P1B	2.0	8.0	8.8	120	-30	+10
68	50	C	MTP686*050P1C	2.0	10.0	4.3	54	-40	+10
78	50	C	MTP786*050P1C	2.0	10.0	3.7	52	-40	+10
3.3	60	D	MTP335*060P1D	2.0	6.0	48.2	680	-25	+9
4.7	60	A	MTP475*060P1A	2.0	6.0	39.5	400	-30	+9
6.8	60	A	MTP685*060P1A	2.0	6.0	31.2	367	-30	+9
10	60	B	MTP106*060P1B	2.0	8.0	23.9	217	-35	+9
15	60	B	MTP156*060P1B	2.0	8.0	17.7	174	-35	+9
22	60	B	MTP226*060P1B	2.0	8.0	14.5	140	-30	+9
33	60	C	MTP336*060P1C	2.0	10.0	7.2	75	-35	+9
47	60	C	MTP476*060P1C	2.0	10.0	5.6	62	-40	+9
68	60	C	MTP686*060P1C	2.0	10.0	4.3	51	-40	+9

* Insert Appropriate Letter Code For Tolerance: M = $\pm$ 20%, K = $\pm$ 10%



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