

**FEATURES**

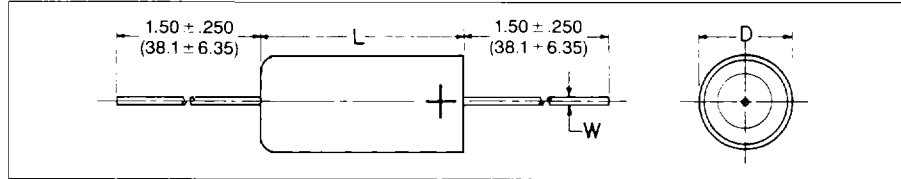
- Approved per MIL-C-39003/02
- Capacitance values .0047 – 22μF
- ±20%; ±10% and ±5% Capacitance Tolerances
- 6 – 125 Volts
- Ultra-miniature size

**T120 CAPACITOR MARKING  
A & B Case**

+T120	— Polarity, Series
K 20%	— Manufacturer's Identification, Cap. Tolerance
6R8 μF	— Nominal Capacitance - μF (R denotes decima point)
15V	— Voltage
433XA	— Date Code, Batch Code

For Military marking refer to page 35.

**CAPACITOR OUTLINE DRAWINGS**



**DIMENSIONS – INCHES & (MILLIMETERS)**

CASE SIZE	UNINSULATED		INSULATED		W WIRE DIAMETER
	D ±0.005 (±.13)	L	D	L	
A	.085 (2.16)	.245 +.015 (6.22 +.38) -.010 (-.25)	.090 ±.009 (2.29 ±.23)	.250 +.031 (6.35 +.79) -.015 (-.38)	.016 +.005 (.41 +.13) -.001 (-.03)
B	.127 (3.23)	.375 ±.015 (9.53 ±.38)	.138 ±.010 (3.51 ±.25)	.390 ±.015 (9.91 ±.38)	.016 +.005 (.41 +.13) -.001 (-.03)

**CAPACITANCE RATING CHART**

T120 – All values listed  
MIL-C-39003/02 T222 (CSR09) – Bold type values Only

CAPACITANCE μF	CODE	CASE SIZE	*RATED VOLTAGE @ 85°C.								CASE SIZE	
			6	10	15	20	35	50	75	100		125
.0047	472	A					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	A
.0056	562						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.0068	682						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.0082	822						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.010	103						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.012	123						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.015	153						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.018	183						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.022	223						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.027	273						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.033	333						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.039	393						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.047	473						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.056	563						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.068	683						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
.082	823						A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
0.10	104					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
0.12	124					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
0.15	154					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
0.18	184					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3	
0.22	224				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.27	274				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.33	334				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.39	394				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.47	474				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.56	564				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.68	684				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
0.82	824				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
1.0	105				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
1.2	125				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
1.5	155				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
1.8	185				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
2.2	225				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
2.7	275				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
3.3	335				A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	A (1.0) 3	A (1.0) 3		
3.9	395	B										
4.7	475											
5.6	565											
6.8	685											
8.2	825											
10.0	106											
12.0	126											
15.0	156											
18.0	186											
22.0	226											

\*LETTER – Case Size  
(1st #) – Max. D.C. Leakage μA @ 25°C  
(2nd #) – Max. D.F. % @ 25°C, 120 Hz  
\*M39003/02 (T222) is not available in all capacitance values nor in 100 or 125 volts. Consult Tantalum Hermetically Sealed Catalog F-1851 for specific capacitance values and tolerances available.  
For ordering information, see page 22.

For packaging information, see page 50.

Tantalum Leaded Capacitors

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