

FEATURES

- Approved per MIL-C-39003/02
- Capacitance values .0047 – 22 μ F
- $\pm 20\%$; $\pm 10\%$ and $\pm 5\%$ Capacitance Tolerances
- 6 – 125 Volts
- Ultra-miniature size

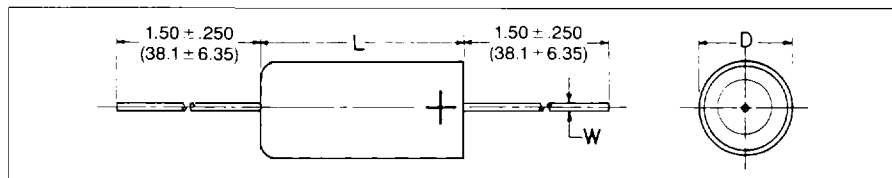
CAPACITOR OUTLINE DRAWINGS

T120 CAPACITOR MARKING

A & B Case

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

For Military marking refer to page 35.



DIMENSIONS – INCHES & (MILLIMETERS)

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

CAPACITANCE RATING CHART

T120 – All values listed

MIL-C-39003/02 T222 (CSR09) – Bold type values *Only*

CAPACITANCE		CASE SIZE	*RATED VOLTAGE μ 85° C.								CASE SIZE	
μ F	CODE		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 (1.0) 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	B (2.5) 3	
0.15	154					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	B (2.5) 3	B (2.5) 3	
0.18	184					A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	B (2.5) 3	B (2.5) 3	
0.22	224			A (0.6) 6		A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	B (2.5) 3	B (2.5) 3	
0.27	274			A (0.6) 6		A (0.6) 3	A (0.6) 3	A (0.6) 3	A (0.6) 3	B (2.5) 3	B (2.5) 3	
0.33	334			A (0.6) 6	A (0.6) 6	A (0.6) 3	A (0.6) 3	B (1.4) 3	B (0.6) 3	B (2.5) 3	B (2.5) 3	
0.39	394			A (0.6) 6	A (0.6) 6	A (0.6) 3	A (0.6) 3	B (1.4) 3	B (0.6) 3	B (2.5) 3	B (2.5) 3	
0.47	474			A (0.6) 6	A (0.6) 6	A (0.6) 3	A (0.6) 3	B (1.4) 3	B (0.6) 3	B (2.5) 3	B (2.5) 3	
0.56	564			A (0.6) 6	A (0.6) 6	A (0.6) 3	B (1.0) 3	B (1.4) 3	B (0.6) 3	B (2.5) 3	B (2.5) 3	
0.68	684			A (0.6) 6	A (0.6) 6	A (0.6) 3	B (1.0) 3	B (1.4) 3	B (0.6) 3	B (2.5) 3	B (2.5) 3	
0.82	824			A (0.6) 6	A (0.6) 6	A (0.6) 3	B (1.0) 3	B (1.4) 3	B (0.7) 3	B (2.5) 3		
1.0	105			A (0.6) 6	A (0.6) 6	A (0.6) 3	B (1.0) 3	B (1.4) 3	B (0.9) 3			
1.2	125			A (0.6) 6	A (0.6) 6	A (0.6) 6	B (1.0) 3	B (1.0) 3	B (1.4) 3	B (0.9) 3		
1.5	155			A (0.6) 6	A (0.6) 6	A (0.6) 6	B (1.0) 3	B (1.0) 3	B (1.4) 3			
1.8	185			A (0.6) 6	A (0.6) 6	B (1.8) 6	B (1.0) 3	B (1.0) 3	B (1.4) 3			
2.2	225			A (0.6) 6	A (0.6) 6	B (1.8) 6	B (1.0) 3	B (1.4) 3				
2.7	275			A (0.6) 6		B (1.8) 6	B (1.0) 3	B (1.4) 3				
3.3	335			A (0.6) 6	B (2.0) 6	B (1.8) 6	B (1.0) 3					
3.9	395	B		B (2.0) 6	B (1.8) 6	B (2.0) 3						
4.7	475			B (2.0) 6	B (1.8) 6	B (2.0) 3						
5.6	565			B (2.0) 6	B (1.8) 6	B (2.0) 3						
6.8	685			B (2.0) 6	B (1.8) 6	B (2.0) 3						
8.2	825			B (1.4) 6	B (2.0) 6	B (1.8) 6						
10.0	106			B (1.4) 6	B (2.0) 6							
12.0	126			B (1.4) 6	B (2.0) 6							
15.0	156			B (1.4) 6	B (2.0) 6							
18.0	186			B (1.4) 6	B (3.0) 6							
22.0	226			B (2.0) 6								

*LETTER – Case Size

(1st #) – Max. D.C. Leakage μ A @ 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

KEMET:

<u>T120A105K020AS</u>	<u>T120A274K050AS</u>	<u>T120B565K020AS</u>	<u>T120B186K006AS</u>	<u>T120B105K075AS</u>	<u>T120B106K010AS</u>
<u>T120A104K125AS</u>	<u>T120B475K015AS</u>	<u>T120B155M020AS</u>	<u>T120B225M020AS</u>	<u>T120B335M020AS</u>	
<u>T120B395M020AS</u>	<u>T120B475M020AS</u>	<u>T120B565M020AS</u>	<u>T120B685J020AS</u>	<u>T120A474M035AS</u>	<u>T120B334M050AS</u>