

# Subminiature, Leaded Solid Tantalum Capacitors

## FEATURES

- Rectangular case with radial leads
- 2 to 35 VDC
- 0.1 $\mu$ F to 220 $\mu$ F
- Operating temperature range : - 55°C to + 85°C
- Qualified to MIL-PRF-49137



## ORDERING INFORMATION

**CX**  
MODEL

**06**  
LEAD  
CONFIGURATION

0 = Radial

**A**  
VOLTAGE

**474**  
CAPACITANCE

**M**  
CAPACITANCE  
TOLERANCE

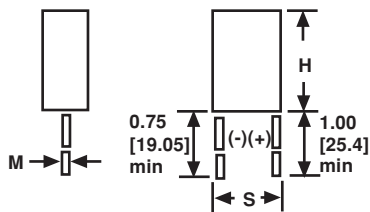
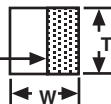
M =  $\pm 20\%$   
K =  $\pm 10\%$

Example: CX06A474M

## DIMENSIONS in inches [millimeters]

RADIAL

Anode Identification  
placed over positive  
lead in red or in  
contrasting colour



CASE CODE	T MAX	W MAX	H MAX	M $\pm 0.002$ [ $\pm 0.051$ ]	S
A	0.040 [1.02]	0.050 [1.27]	0.100 [2.54]	0.007 [0.18]	0.030 $\pm$ .015 [0.76 $\pm$ .38]
B	0.040 [1.02]	0.070 [1.78]	0.125 [3.18]	0.010 [0.25]	0.050 $\pm$ .015 [1.27 $\pm$ .38]
C	0.070 [1.78]	0.120 [3.05]	0.165 [4.19]	0.010 [0.25]	0.100 $\pm$ .020 [2.54 $\pm$ .51]
D	0.075 [1.91]	0.185 [4.70]	0.225 [5.72]	0.010 [0.25]	0.150 $\pm$ .020 [3.81 $\pm$ .51]
E	0.110 [2.79]	0.220 [5.59]	0.290 [7.37]	0.016 [0.41]	0.180 $\pm$ .025 [4.57 $\pm$ .64]
F	0.130 [3.30]	0.230 [5.84]	0.310 [7.87]	0.016 [0.41]	0.200 $\pm$ .025 [5.08 $\pm$ .64]
G	0.150 [3.81]	0.375 [9.53]	0.475 [12.07]	0.016 [0.41]	0.300 $\pm$ .025 [7.62 $\pm$ 0.64]



<b>STANDARD RATINGS</b>				
<b>CAPACITANCE (<math>\mu</math>F)</b>	<b>MAX DF (%)</b>	<b>MAX. DCL @ + 25°C (<math>\mu</math>A)</b>	<b>CASE CODE</b>	<b>PART NUMBER</b>
<b>2 WVDC @ + 85°C</b>				
0.47	10	0.5	A	CX06A474-*
2.2	10	0.5	B	CX06A225-*
10	10	0.5	C	CX06A106-*
<b>3 WVDC @ + 85°C</b>				
1.5	10	0.5	B	CX06B155-*
6.8	10	0.5	C	CX06B685-*
22	10	1	D	CX06B226-*
220	15	9	G	CX06B227-*
<b>4 WVDC @ + 85°C</b>				
0.33	10	0.5	A	CX06C334-*
1	8	0.5	B	CX06C105-*
4.7	8	0.5	C	CX06C475-*
15	8	1	D	CX06C156-*
47	8	2	E	CX06C476-*
68	8	3	F	CX06C686-*
<b>6 WVDC @ + 85°C</b>				
0.22	10	0.5	A	CX06D224-*
0.68	6	0.5	B	CX06D684-*
3.3	6	0.5	C	CX06D335-*
10	6	1	D	CX06D106-*
33	6	2	E	CX06D336-*
47	6	3	F	CX06D476-*
150	10	9	G	CX06D157-*
<b>10 WVDC @ + 85°C</b>				
0.15	10	0.5	A	CX06F154-*
0.47	6	0.5	B	CX06F474-*
2.2	6	0.5	C	CX06F225-*
6.8	6	1	D	CX06F685-*
22	6	2	E	CX06F226-*
33	6	3	F	CX06F336-*
100	8	9	G	CX06F107-*
<b>15 WVDC @ + 85°C</b>				
0.10	10	0.5	A	CX06H104-*
0.33	6	0.5	B	CX06H334-*
1.5	6	0.5	C	CX06H155-*
15	6	2	E	CX06H156-*
22	6	3	F	CX06H226-*
68	8	9	G	CX06H686-*

\*Add suffix to indicate capacitance tolerance K =  $\pm$  10% or M =  $\pm$  20%



<b>STANDARD RATINGS</b>				
<b>CAPACITANCE (<math>\mu</math>F)</b>	<b>MAX DF (%)</b>	<b>MAX. DCL @ + 25°C (<math>\mu</math>A)</b>	<b>CASE CODE</b>	<b>PART NUMBER</b>
<b>20 WVDC @ + 85°C</b>				
0.10	6	0.5	B	CX06J104-*
0.15	6	0.5	B	CX06J154-*
0.22	6	0.5	B	CX06J224-*
1	6	0.5	C	CX06J105-*
3.3	6	1	D	CX06J335-*
4.7	6	1	D	CX06J475-*
10	6	2	E	CX06J106-*
15	6	3	F	CX06J156-*
47	8	9	G	CX06J476-*
<b>25 WVDC @ + 85°C</b>				
0.68	6	0.5	C	CX06K684-*
2.2	6	1	D	CX06K225-*
6.8	6	2	E	CX06K685-*
10	6	3	F	CX06K106-*
33	6	9	G	CX06K336-*
<b>35 WVDC @ + 85°C</b>				
0.10	6	0.5	C	CX06M104-*
0.15	6	0.5	C	CX06M154-*
0.22	6	0.5	C	CX06M224-*
0.33	6	0.5	C	CX06M334-*
0.47	6	0.5	C	CX06M474-*
0.68	6	1	D	CX06M684-*
1	6	1	D	CX06M105-*
1.5	6	1	D	CX06M155-*
2.2	6	2	E	CX06M225-*
3.3	6	2	E	CX06M335-*
4.7	6	2	E	CX06M475-*
6.8	6	3	F	CX06M685-*
10	6	9	G	CX06M106-*
15	6	9	G	CX06M156-*
22	6	9	G	CX06M226-*

\*Add suffix to indicate capacitance tolerance K =  $\pm$  10% or M =  $\pm$  20%