

Subminiature, Leaded Solid Tantalum Capacitors



FEATURES

- Rectangular case with radial leads
- 2 V_{DC} to 35 V_{DC}
- 0.1 μF to 220 μF
- Operating temperature range: - 55 °C to + 85 °C
- Qualified to MIL-PRF-49137

ORDERING INFORMATION				
CX MODEL	06 LEAD CONFIGURATION	A VOLTAGE	474 CAPACITANCE	M CAPACITANCE TOLERANCE
	0 = Radial			M = ± 20 % K = ± 10 %
Example: CX06A474M				

DIMENSIONS in inches [millimeters]					
RADIAL					
CASE CODE	D MAX.	L MAX.	H MAX.	M ± 0.002 [± 0.051]	S
A	0.040 [1.02]	0.050 [1.27]	0.100 [2.54]	0.007 [0.18]	0.030 ± 0.015 [0.76 ± 0.38]
B	0.040 [1.02]	0.070 [1.78]	0.125 [3.18]	0.010 [0.25]	0.050 ± 0.015 [1.27 ± 0.38]
C	0.070 [1.78]	0.120 [3.05]	0.165 [4.19]	0.010 [0.25]	0.100 ± 0.020 [2.54 ± 0.51]
D	0.075 [1.91]	0.185 [4.70]	0.225 [5.72]	0.010 [0.25]	0.150 ± 0.020 [3.81 ± 0.51]
E	0.110 [2.79]	0.220 [5.59]	0.290 [7.37]	0.016 [0.41]	0.180 ± 0.025 [4.57 ± 0.64]
F	0.130 [3.30]	0.230 [5.84]	0.310 [7.87]	0.016 [0.41]	0.200 ± 0.025 [5.08 ± 0.64]
G	0.150 [3.81]	0.375 [9.53]	0.475 [12.07]	0.016 [0.41]	0.300 ± 0.025 [7.62 ± 0.64]



STANDARD RATINGS				
CAPACITANCE (μF)	MAX. DF (%)	MAX. DCL AT + 25 °C (μA)	CASE CODE	PART NUMBER
2 V_{DC} AT + 85 °C				
0.47	10	0.5	A	CX06A474-(1)
2.2	10	0.5	B	CX06A225-(1)
10	10	0.5	C	CX06A106-(1)
3 V_{DC} AT + 85 °C				
1.5	10	0.5	B	CX06B155-(1)
6.8	10	0.5	C	CX06B685-(1)
22	10	1.0	D	CX06B226-(1)
220	15	9.0	G	CX06B227-(1)
4 V_{DC} AT + 85 °C				
0.33	10	0.5	A	CX06C334-(1)
1.0	8	0.5	B	CX06C105-(1)
4.7	8	0.5	C	CX06C475-(1)
15	8	1.0	D	CX06C156-(1)
47	8	2.0	E	CX06C476-(1)
68	8	3.0	F	CX06C686-(1)
6 V_{DC} AT + 85 °C				
0.22	10	0.5	A	CX06D224-(1)
0.68	6	0.5	B	CX06D684-(1)
3.3	6	0.5	C	CX06D335-(1)
10	6	1.0	D	CX06D106-(1)
33	6	2.0	E	CX06D336-(1)
47	6	3.0	F	CX06D476-(1)
150	10	9.0	G	CX06D157-(1)
10 V_{DC} AT + 85 °C				
0.15	10	0.5	A	CX06F154-(1)
0.47	6	0.5	B	CX06F474-(1)
2.2	6	0.5	C	CX06F225-(1)
6.8	6	1.0	D	CX06F685-(1)
22	6	2.0	E	CX06F226-(1)
33	6	3.0	F	CX06F336-(1)
100	8	9.0	G	CX06F107-(1)
15 V_{DC} AT + 85 °C				
0.10	10	0.5	A	CX06H104-(1)
0.33	6	0.5	B	CX06H334-(1)
1.5	6	0.5	C	CX06H155-(1)
15	6	2.0	E	CX06H156-(1)
22	6	3.0	F	CX06H226-(1)
68	8	9.0	G	CX06H686-(1)
20 V_{DC} AT + 85 °C				
0.10	6	0.5	B	CX06J104-(1)
0.15	6	0.5	B	CX06J154-(1)
0.22	6	0.5	B	CX06J224-(1)
1.0	6	0.5	C	CX06J105-(1)
3.3	6	1.0	D	CX06J335-(1)
4.7	6	1.0	D	CX06J475-(1)
10	6	2.0	E	CX06J106-(1)
15	6	3.0	F	CX06J156-(1)
47	8	9.0	G	CX06J476-(1)

Note

- Part number definition:
 - (1) Add suffix to indicate capacitance tolerance: K = $\pm 10\%$ or M = $\pm 20\%$



STANDARD RATINGS				
CAPACITANCE (μ F)	MAX. DF (%)	MAX. DCL AT + 25 °C (μ A)	CASE CODE	PART NUMBER
25 V_{DC} AT + 85 °C				
0.68	6	0.5	C	CX06K684-(1)
2.2	6	1.0	D	CX06K225-(1)
6.8	6	2.0	E	CX06K685-(1)
10	6	3.0	F	CX06K106-(1)
33	6	9.0	G	CX06K336-(1)
35 V_{DC} AT + 85 °C				
0.10	6	0.5	C	CX06M104-(1)
0.15	6	0.5	C	CX06M154-(1)
0.22	6	0.5	C	CX06M224-(1)
0.33	6	0.5	C	CX06M334-(1)
0.47	6	0.5	C	CX06M474-(1)
0.68	6	1.0	D	CX06M684-(1)
1.0	6	1.0	D	CX06M105-(1)
1.5	6	1.0	D	CX06M155-(1)
2.2	6	2.0	E	CX06M225-(1)
3.3	6	2.0	E	CX06M335-(1)
4.7	6	2.0	E	CX06M475-(1)
6.8	6	3.0	F	CX06M685-(1)
10	6	9.0	G	CX06M106-(1)
15	6	9.0	G	CX06M156-(1)
22	6	9.0	G	CX06M226-(1)

Note

- Part number definition:
 - (1) Add suffix to indicate capacitance tolerance: K = \pm 10 % or M = \pm 20 %



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