

Subminiature, Leaded Solid Tantalum Capacitors



FEATURES

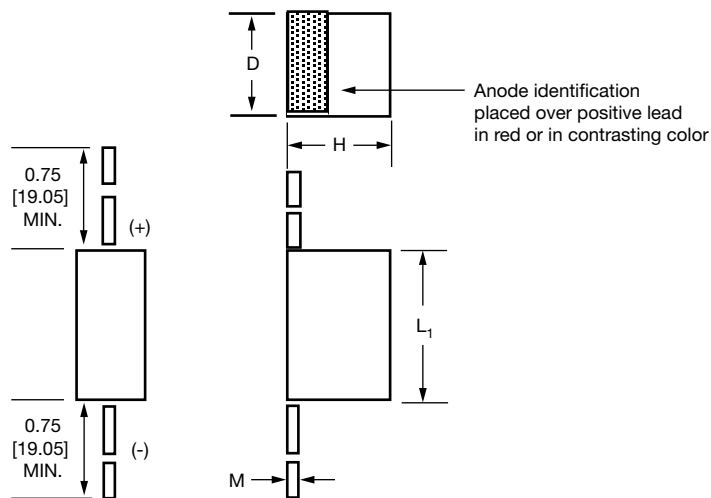
- Axial leads
- 2 V_{DC} to 35 V_{DC}
- 0.1 µF to 220 µF
- Operating temperature range: - 55 °C to + 85 °C
- Qualified to MIL-PRF-49137

ORDERING INFORMATION

CX MODEL	16 LEAD CONFIGURATION	A VOLTAGE	474 CAPACITANCE	M CAPACITANCE TOLERANCE
Example: CX16A474M				
	1 = Axial			M = ± 20 % K = ± 10 %

DIMENSIONS in inches [millimeters]

AXIAL



CASE CODE	D MAX.	H MAX.	L ₁ MAX.	M ± 0.002 [± 0.051]
A	0.040 [1.02]	0.050 [1.27]	0.100 [2.54]	0.007 [0.18]
B	0.040 [1.02]	0.070 [1.78]	0.125 [3.18]	0.010 [0.25]
C	0.070 [1.78]	0.120 [3.05]	0.165 [4.19]	0.010 [0.25]
D	0.075 [1.91]	0.185 [4.70]	0.225 [5.72]	0.010 [0.25]
E	0.110 [2.79]	0.220 [5.59]	0.290 [7.37]	0.016 [0.41]
F	0.130 [3.30]	0.230 [5.84]	0.310 [7.87]	0.016 [0.41]
G	0.150 [3.81]	0.375 [9.53]	0.475 [12.07]	0.016 [0.41]



STANDARD RATINGS				
CAPACITANCE (μ F)	MAX. DF (%)	MAX. DCL AT + 25 °C (μ A)	CASE CODE	PART NUMBER
2 V_{DC} AT + 85 °C				
0.47	10	0.5	A	CX16A474-(1)
2.2	10	0.5	B	CX16A225-(1)
10	10	0.5	C	CX16A106-(1)
3 V_{DC} AT + 85 °C				
1.5	10	0.5	B	CX16B155-(1)
6.8	10	0.5	C	CX16B685-(1)
22	10	1.0	D	CX16B226-(1)
220	15	9.0	G	CX16B227-(1)
4 V_{DC} AT + 85 °C				
0.33	10	0.5	A	CX16C334-(1)
1.0	8	0.5	B	CX16C105-(1)
4.7	8	0.5	C	CX16C475-(1)
15	8	1.0	D	CX16C156-(1)
47	8	2.0	E	CX16C476-(1)
68	8	3.0	F	CX16C686-(1)
6 V_{DC} AT + 85 °C				
0.22	10	0.5	A	CX16D224-(1)
0.68	6	0.5	B	CX16D684-(1)
3.3	6	0.5	C	CX16D335-(1)
10	6	1.0	D	CX16D106-(1)
33	6	2.0	E	CX16D336-(1)
47	6	3.0	F	CX16D476-(1)
150	10	9.0	G	CX16D157-(1)
10 V_{DC} AT + 85 °C				
0.15	10	0.5	A	CX16F154-(1)
0.47	6	0.5	B	CX16F474-(1)
2.2	6	0.5	C	CX16F225-(1)
6.8	6	1.0	D	CX16F685-(1)
22	6	2.0	E	CX16F226-(1)
33	6	3.0	F	CX16F336-(1)
100	8	9.0	G	CX16F107-(1)
15 V_{DC} AT + 85 °C				
0.10	10	0.5	A	CX16H104-(1)
0.33	6	0.5	B	CX16H334-(1)
1.5	6	0.5	C	CX16H155-(1)
15	6	2.0	E	CX16H156-(1)
22	6	3.0	F	CX16H226-(1)
68	8	9.0	G	CX16H686-(1)
20 V_{DC} AT + 85 °C				
0.10	6	0.5	B	CX16J104-(1)
0.15	6	0.5	B	CX16J154-(1)
0.22	6	0.5	B	CX16J224-(1)
1.0	6	0.5	C	CX16J105-(1)
3.3	6	1.0	D	CX16J335-(1)
4.7	6	1.0	D	CX16J475-(1)
10	6	2.0	E	CX16J106-(1)
15	6	3.0	F	CX16J156-(1)
47	8	9.0	G	CX16J476-(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	CX16K684-(1)
2.2	6	1.0	D	CX16K225-(1)
6.8	6	2.0	E	CX16K685-(1)
10	6	3.0	F	CX16K106-(1)
33	6	9.0	G	CX16K336-(1)
35 V _{DC} AT + 85 °C				
0.10	6	0.5	C	CX16M104-(1)
0.15	6	0.5	C	CX16M154-(1)
0.22	6	0.5	C	CX16M224-(1)
0.33	6	0.5	C	CX16M334-(1)
0.47	6	0.5	C	CX16M474-(1)
0.68	6	1.0	D	CX16M684-(1)
1.0	6	1.0	D	CX16M105-(1)
1.5	6	1.0	D	CX16M155-(1)
2.2	6	2.0	E	CX16M225-(1)
3.3	6	2.0	E	CX16M335-(1)
4.7	6	2.0	E	CX16M475-(1)
6.8	6	3.0	F	CX16M685-(1)
10	6	9.0	G	CX16M106-(1)
15	6	9.0	G	CX16M156-(1)
22	6	9.0	G	CX16M226-(1)

Note

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



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