

Subminiature, Leaded Solid Tantalum Capacitors

FEATURES

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

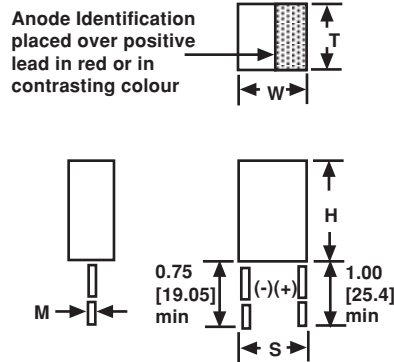


ORDERING INFORMATION

| CX MODEL | 06 LEAD CONFIGURATION | A VOLTAGE | 474 CAPACITANCE | M CAPACITANCE TOLERANCE |
|--------------------|-----------------------------|--------------|--------------------|--------------------------------|
| | 0 = Radial | | | M = \pm 20% K = \pm 10% |
| Example: CX06A474M | | | | |

DIMENSIONS in inches [millimeters]

RADIAL



| 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] |



| STANDARD RATINGS | | | | |
|--|-----------------------|--|----------------------|--------------------|
| CAPACITANCE (μF) | MAX DF (%) | MAX. DCL @ + 25°C (μA) | CASE CODE | PART NUMBER |
| 2 WVDC @ + 85°C | | | | |
| 0.47 | 10 | 0.5 | A | CX06A474-* |
| 2.2 | 10 | 0.5 | B | CX06A225-* |
| 10 | 10 | 0.5 | C | CX06A106-* |
| 3 WVDC @ + 85°C | | | | |
| 1.5 | 10 | 0.5 | B | CX06B155-* |
| 6.8 | 10 | 0.5 | C | CX06B685-* |
| 22 | 10 | 1 | D | CX06B226-* |
| 220 | 15 | 9 | G | CX06B227-* |
| 4 WVDC @ + 85°C | | | | |
| 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-* |
| 6 WVDC @ + 85°C | | | | |
| 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-* |
| 10 WVDC @ + 85°C | | | | |
| 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-* |
| 15 WVDC @ + 85°C | | | | |
| 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%



| STANDARD RATINGS | | | | |
|--|-----------------------|--|----------------------|--------------------|
| CAPACITANCE (μF) | MAX DF (%) | MAX. DCL @ + 25°C (μA) | CASE CODE | PART NUMBER |
| 20 WVDC @ + 85°C | | | | |
| 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-* |
| 25 WVDC @ + 85°C | | | | |
| 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-* |
| 35 WVDC @ + 85°C | | | | |
| 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%



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