



CAPACITORS

CWR11



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Solid Tantalum Chip Capacitor, Military, Surface-Mount

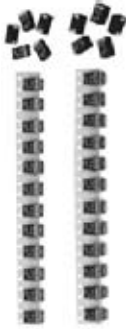
FEATURES

- Broad capacitance range: 0.10 μ F to 100 μ F
- Broad voltage range: 4 WVDC to 50 WVDC
- Military established reliability; Weibull failure rates B, C, and D
- Molded case available in four military case codes: A, B, C, D
- Mature, well-proven design
- 90/10 tin/lead plated termination

Solid Tantalum Surface Mount Capacitors TANTAMOUNT® Molded Case, Military

FEATURES

- MIL-PRF-55365/8 qualified
- Molded case available in four case codes
- Compatible with "High Volume" automatic pick and place equipment
- Weibull failure rate codes B, C and D
- Termination: (H) solder plate
- Surge current options A, B and C



PERFORMANCE/ELECTRICAL CHARACTERISTICS

Operating Temperature: -55 °C to +125 °C
 Note: Refer to Doc. 4-0088

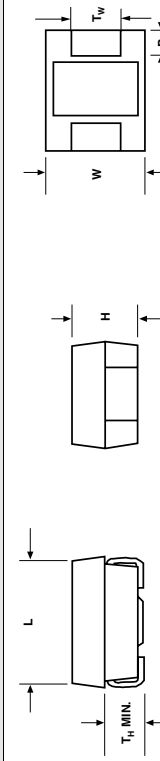
Capacitance Range: 0.10 µF to 100 µF
 Capacitance Tolerance: ±5 %, ±10 %, ±20 %
 Voltage Rating: 4 VDC to 50 VDC

ORDERING INFORMATION

CWR11 TYPE	D VOLTAGE	H TERMINATION FINISH	K CAPACITANCE TOLERANCE	155 CAPACITANCE	B WEIBULL FAILURE RATE (%/1000 HOURS)	A SURGE CURRENT OPTION (OPTIONAL)
	C = 4 V D = 6 V F = 10 V H = 15 V J = 20 V K = 25 V M = 35 V N = 50 V	H = Solder plate	M = ±20 % K = ±10 % J = ±5 %	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	B = 0.1 C = 0.01 D = 0.001	A = +25 °C after Weibull B = -55 °C/+85 °C after Weibull C = -55 °C/+85 °C before Weibull

DIMENSIONS in inches [millimeters]

CASE CODE	EIA SIZE	L	W	H	P	T _w	T _H MIN.
A	3216-18	0.126 ± 0.008 [3.2 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.047 ± 0.004 [1.2 ± 0.10]	0.028 [0.70]
B	3528-21	0.138 ± 0.008 [3.5 ± 0.20]	0.110 ± 0.008 [2.8 ± 0.20]	0.075 ± 0.008 [1.9 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.067 ± 0.004 [2.2 ± 0.10]	0.028 [0.70]
C	6032-28	0.236 ± 0.012 [6.0 ± 0.30]	0.126 ± 0.012 [3.2 ± 0.30]	0.088 ± 0.012 [2.5 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.039 [1.0]
D	7943-31	0.287 ± 0.012 [7.3 ± 0.30]	0.170 ± 0.012 [4.3 ± 0.30]	0.110 ± 0.012 [2.8 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.095 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]

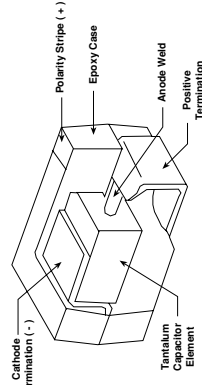


RATINGS AND CASE CODES

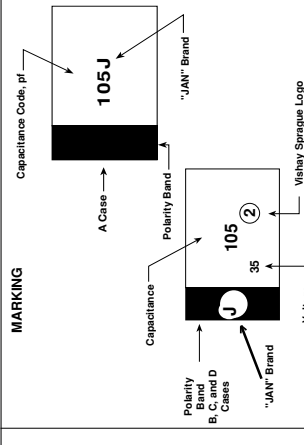
µF	4 V	6 V	10 V	15 V	20 V	25 V	35 V	50 V
0.10							A	A
0.15							A	B
0.22							A	B
0.33						A	A	B
0.47					A	A	B	C
0.68				A	A	B	B	C
1.0			A	A	A	B	B	C
1.5		A	A	A	B	B	C	D
2.2	A	A	A	B	B	C	C	D
3.3	A	A	B	B	B	C	C	D
4.7	A	B	B	B	C	C	D	D
6.8	B	B	B	C	C	D	D	D
10	B	B	C	C	D	D	D	D
15	B	C	C	D	D	D	D	D
22	C	C	D	D	D	D	D	D
33	C	D	D	D	D	D	D	D
47	D	D	D	D	D	D	D	D
68	D	D	D	D	D	D	D	D
100	D	D	D	D	D	D	D	D

CONSTRUCTION MARKING

CONSTRUCTION



MARKING



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