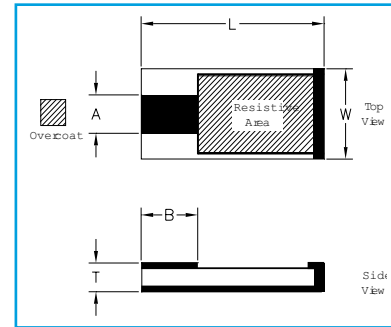


Leaded Chip Terminations

Chip Terminations - CT Series

GENERAL SPECIFICATIONS

- **Nominal Impedance:** 50 Ω standard. Additional values available upon request. (DC Resistance may differ from selected impedance)
- **Tolerance:** $\pm 5\%$ standard. Additional tolerances available. (Refer to How to Order)
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **Resistive Elements:** Tantalum
- **Substrate Material:** Aluminum Nitride
- **Leads:** 99.99% Pure Silver
- **Cover:** Alumina
- **Reliability:** MIL-PRF-55342
- **RoHS Compliant**



Values in Inches

Part Number	W ± 0.010	L ± 0.010	T ± 0.005	A ± 0.005	B (Typ.)	Frequency* (GHz)	VSWR* (Typ.)	Power Max** (Watts)	Impedance Values (Ohms)
CT11020TxxxxJ	0.200	0.100	0.025	0.034	0.020	DC to 18.0	1.25:1	20W	10 - 75 Ω
CT12010TxxxxJ	0.100	0.200	0.040	0.050	0.060	DC to 4.0	1.20:1	30W	16.5 - 123.8 Ω
CT12525TxxxxJ	0.245	0.245	0.040	0.090	0.020	DC to 4.0	1.15:1	60W	10 - 75 Ω
CT12525TxxxxJ01	0.245	0.245	0.040	0.050	0.040	DC to 2.5	1.15:1	100W	11.5 - 86.3 Ω
CT12525TxxxxJ02	0.245	0.245	0.040	0.050	0.020	DC to 4.0	1.20:1	100W	10 - 75 Ω
CT12335TxxxxJ	0.350	0.230	0.040	0.100	0.030	DC to 4.0	1.15:1	100W	10 - 75 Ω
CT13725TxxxxJ	0.250	0.375	0.040	0.090	0.025	DC to 4.0	1.20:1	125W	18.2 - 136.6 Ω
CT13725TxxxxJ01	0.250	0.375	0.040	0.050	0.055	DC to 1.1	1.20:1	150W	20.8 - 156.3 Ω
CT13725TxxxxJ02	0.250	0.375	0.040	0.050	0.025	DC to 4.0	1.25:1	150W	18.2 - 136.6 Ω
CT13737TxxxxJ	0.370	0.370	0.040	0.120	0.025	DC to 2.0	1.25:1	150W	8 - 60 Ω
CT13737TxxxxJ01	0.370	0.370	0.040	0.130	0.065	DC to 1.0	1.20:1	250W	12.9 - 96.6 Ω

xxxx denotes Ohm value (See How to Order Below)

*Frequency and VSWR values are based upon a 50 Ω impedance

**Test Condition: Chip soldered to a via patch on a 30-mil-thick Rogers R04350 board; Land surfaces at 100° C; maximum rated power applied.

Specification: The resistance of the film shall change no more than 0.5% during and after a 1000-hr. Burn-in per Mil-PRF-55342.

HOW TO ORDER

CT1

Case Style

2010

Case Size

T

Termination

T = Ag over Ni
(See Note Below for Additional Options)

0050

Value

Impedance in Ω
Example:
0050 = 50 Ω
0100 = 100 Ω
25R5 = 25.5 Ω

J

Tolerance

Code	Tol.
G	$\pm 2\%$
J	$\pm 5\%$

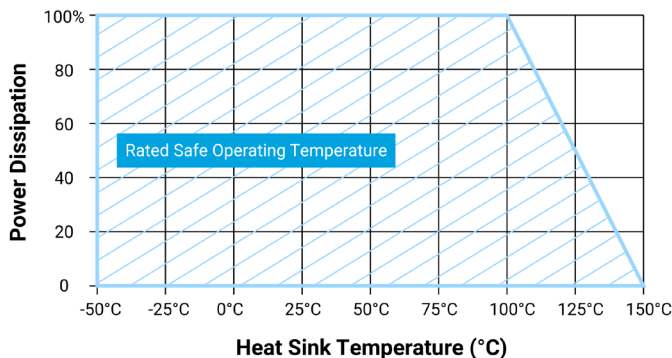
TR

Packaging

TR = Tape & Reel
BK = Plastic Carrier



POWER DERATING



Note: Special Order Terminations:

G = Au over Ni

P = Pd over Ni

Pricing, lead times, and MOQ's vary