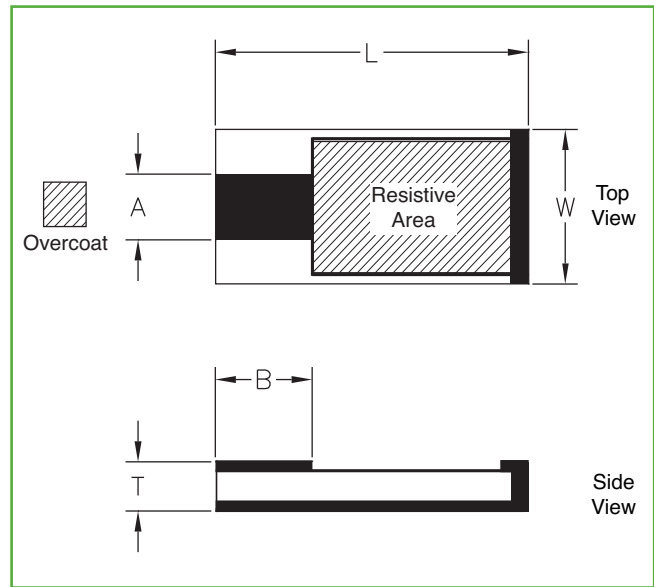


## Chip Terminations

### Style CT

#### General Specifications

- Nominal Impedance: 50 Ω
- Resistive Tolerance: ±5% standard, ±2% available
- Operating Temp Range: -55 to +150°C
- Temperature Coefficient: ±150 ppm/°C
- Resistive Elements: Tantalum, Thin Film Processed
- Substrate Material: Aluminum Nitride
- Terminals: Silver over Nickel
- Lead-Free, RoHS Compliant
- Reliability: MIL-PRF-55342
- Tape and Reel Specifications: See ATC #001-1067

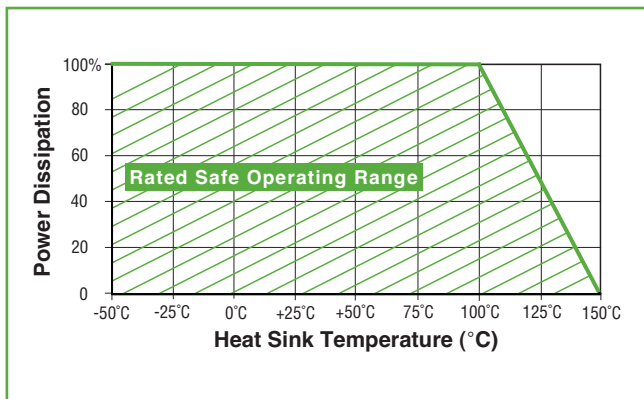


ATC Part Number	W ±.010	L ±.010	T ±.005	A ±.010	B (Typ.)	Frequency (GHz)	VSWR (Typ.)	Power Max* (Watts)
CT11020T0050J	.200	.100	.025	.034	.020	DC to 18.0	1.25:1	20W
CT12010T0050J	.100	.200	.040	.050	.060	DC to 4.0	1.20:1	30W
CT12525T0050J	.245	.245	.040	.090	.020	DC to 4.0	1.15:1	60W
CT12525T0050J01	.245	.245	.040	.050	.040	DC to 2.5	1.15:1	100W
CT12525T0050J02	.245	.245	.040	.090	.020	DC to 4.0	1.20:1	100W
CT12335T0050J	.350	.230	.040	.100	.030	DC to 4.0	1.15:1	100W
CT13725T0050J	.250	.375	.040	.090	.025	DC to 4.0	1.20:1	125W
CT13725T0050J01	.250	.375	.040	.050	.055	DC to 1.1	1.20:1	150W
CT13725T0050J02	.250	.375	.040	.090	.025	DC to 4.0	1.25:1	150W
CT13737T0050J	.370	.370	.040	.120	.025	DC to 2.0	1.25:1	150W
CT13737T0050J01	.370	.370	.040	.130	.065	DC to 1.0	1.20:1	250W
CT13737T0050J02	.370	.370	.040	.120	.025	DC to 2.0	1.25:1	250W

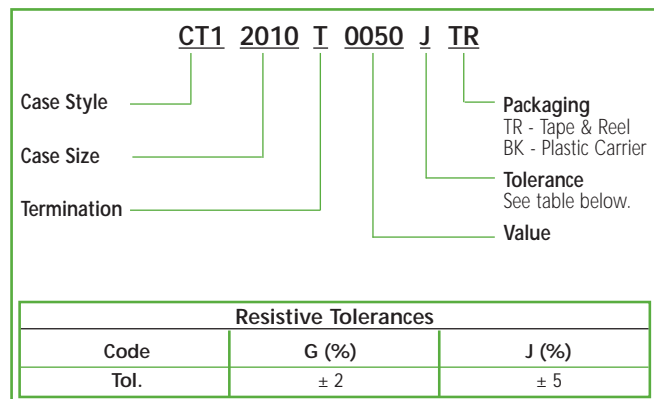
\* Test Condition: Chip soldered to a large copper carrier whose surface is at 100° C; maximum rated power applied.

Specification: The resistance of the film shall change no more than <2% during and after a 1000-hr. Burn-in per Mil-PRF-55342.

### Power Derating



### ATC Part Number Code



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