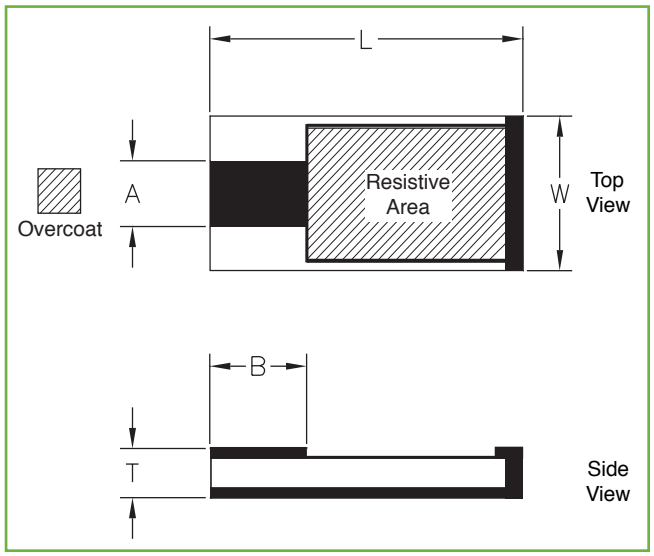
Chip Terminations

Style CT

General Specifications

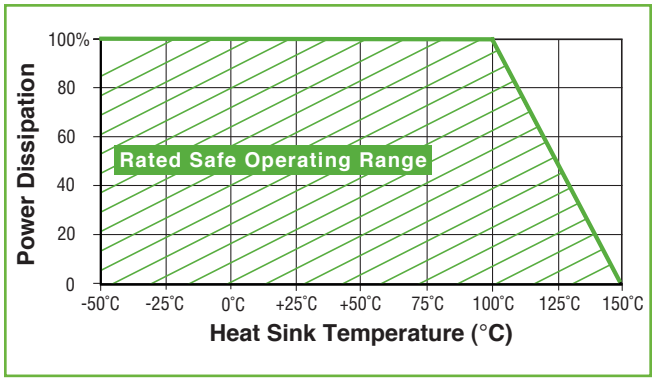
- **Nominal Impedence:** 50 Ω
- **Resistive Tolerance:** ±5% Standard (2% Available).
- **Operating Temp Range:** -55 to +150˚C
- **Temperature Coefficient:** ±150 ppm/˚C
- **Resistive Elements:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Terminals:** Silver
- **Reliability:** MIL-PRF-55342



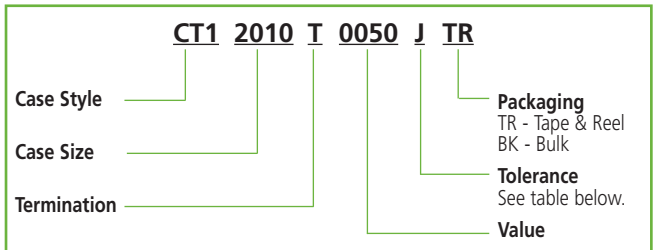
ATC Part Number	W ±.010	L ±.010	T ±.005	A ±.010	B ±.007	Frequency (GHz)	VSWR (Typ.)	Power Max* (Watts)
CT11005T0050J	.050	.100	.025	.045	.020	DC to 4.0	1.20:1	5W
CT11206T0050J	.060	.120	.025	.055	.020	DC to 4.0	1.20:1	15W
CT11020T0050J	.200	.100	.025	.034	.020	DC to 18.0	1.25:1	10W
CT12010T0050J	.100	.200	.040	.050	.020	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	.020	DC to 2.5	1.15:1	100W
CT12335T0050J	.350	.230	.040	.100	.020	DC to 4.0	1.15:1	50W
CT12335T0050J01	.350	.230	.040	.100	.020	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	.025	DC to 1.1	1.20:1	150W
CT13737T0050J	.370	.370	.040	.120	.025	DC to 2.0	1.25:1	150W
CT13737T0050J01	.370	.370	.040	.130	.025	DC to 1.0	1.30:1	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



Resistive Tolerances		
Code	G (%)	J (%)
Tol.	± 2	± 5

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