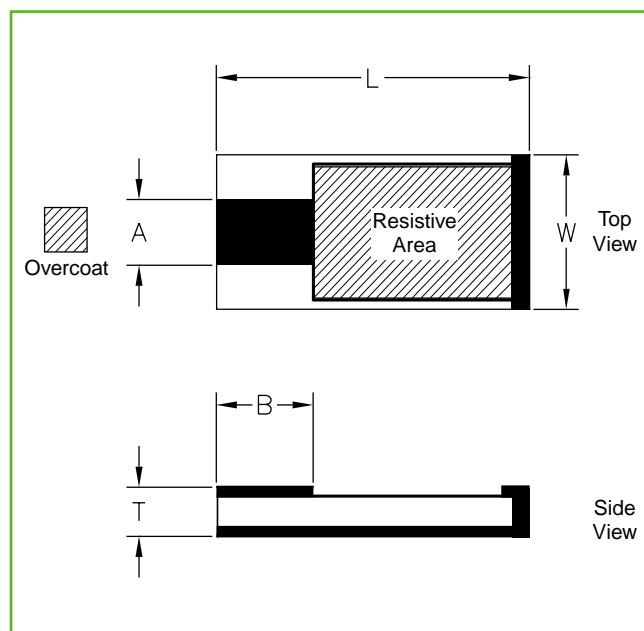


Chip Terminations

Style CT

General Specifications

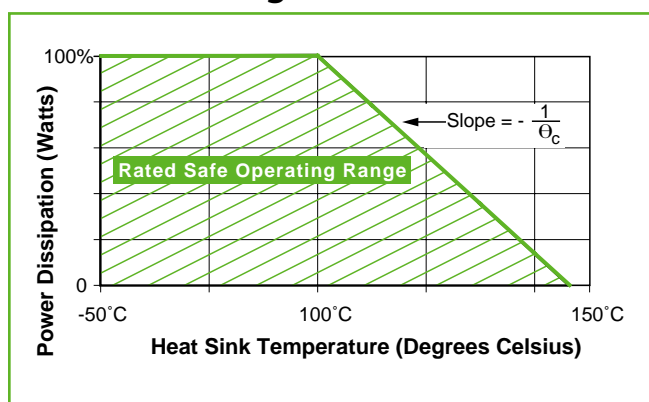
- **Nominal Impedence:** 50 Ω
- **Resistive Tolerance:** $\pm 5\%$ Standard (2% Available).
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** ± 150 ppm/°C
- **Resistive Elements:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Terminals:** Silver
- **Reliability:**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



ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	A $\pm .010$	B $\pm .005$	Frequency Range (GHz)	VSWR (Max.)	Power Max* (Watts)
CT11005T0050J	.050	.100	.025	.045	.030	DC to 4.0	1.20:1	5W
CT11206T0050J	.060	.120	.025	.055	.025	DC to 4.0	1.25:1	15W
CT12010T0050J	.100	.200	.040	.050	.044	DC to 4.0	1.25:1	30W
CT12525T0050J	.250	.250	.040	.050	.030	DC to 2.5	1.15:1	60W
CT12335T0050J	.350	.230	.040	.100	.040	DC to 4.0	1.15:1	50W
CT13725T0050J	.250	.375	.040	.030	.030	DC to 1.1	1.20:1	150W
CT13737T0050J	.375	.375	.040	.130	.030	DC to 1.0	1.30:1	225W

* 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 0.5% during and after a 1000-hr. Burn-in per Mil-PRF-55342

Power Derating



ATC Part Number Code

	CT1	2010	T	0050	J	TR	
Case Style							Packaging
Case Size							TR - Tape & Reel
Termination							BK - Bulk
							Tolerance
							See table below.
							Value

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

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FOR RF, MICROWAVE AND TELECOMMUNICATIONS

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