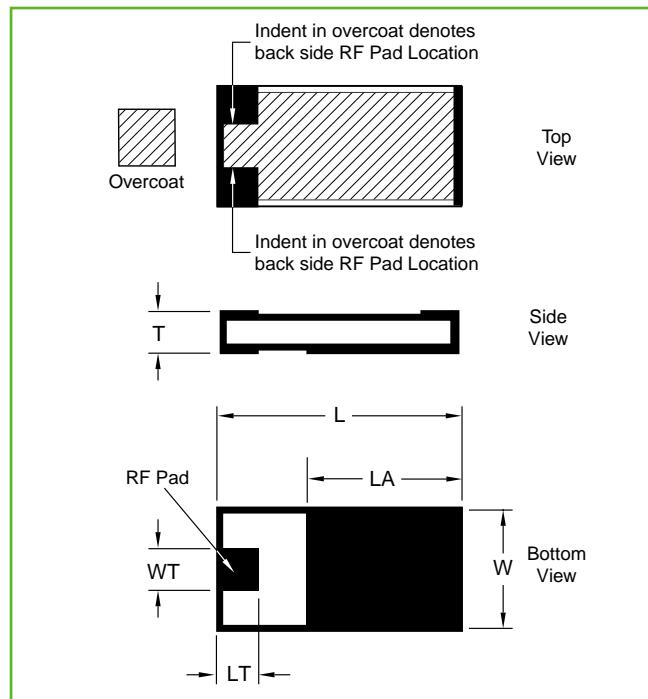


Surface Mount Chip Terminations

Style CZ

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:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Terminals:** Silver
- **Reliability:** MIL-PRF-55342

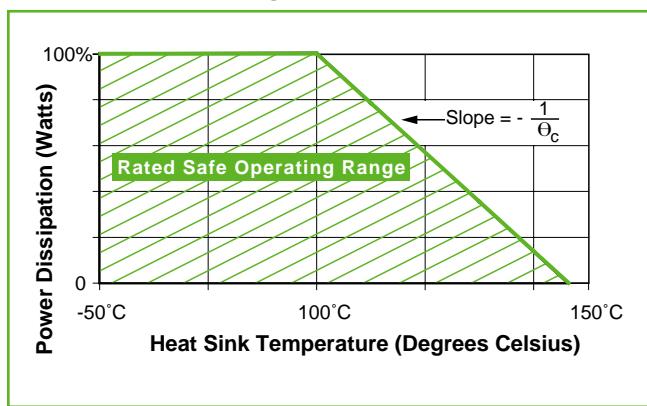


ATC Part Number	W ±.010	L ±.010	T ±.005	LT ±.005	WT ±.005	LA ±.005	Frequency Range (GHz)	VSWR (Max.)	Power Max* (Watts)
CZ12010T0050G	.100	.200	.040	.040	.090	.115	DC - 2	1.20	10W
CZ12525T0050G	.250	.250	.040	.030	.125	.170	DC - 2	1.15	20W
CZ13725T0050G	.250	.375	.040	.050	.125	.260	DC - 2	1.25	30W
CZ13737T0050G	.375	.375	.040	.050	.125	.275	DC - 2	1.35	40W

* Test Condition: Chip soldered to a via patch on a 30-mil-thick Rogers RO4350 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.

Power Derating



ATC Part Number Code

CASE STYLE	CZ1	2010	T	0050	J	TR	Packaging
CASE SIZE							TR - Tape & Reel BK - Bulk
TERMINATION							Tolerance See table below.
Resistive Tolerances							
Code	G (%)		J (%)				
Tol.	± 2		± 5				

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AMERICAN TECHNICAL CERAMICS
COMPONENT AND CUSTOM INTEGRATED PACKAGING SOLUTIONS
FOR RF, MICROWAVE AND TELECOMMUNICATIONS

www.atceramics.com

ATC North America
631-622-4700
sales@atceramics.com

ATC Europe
+46 8 6800410
sales@atceramics-europe.com

ATC Asia
631-622-4700
sales@atceramics-asia.com