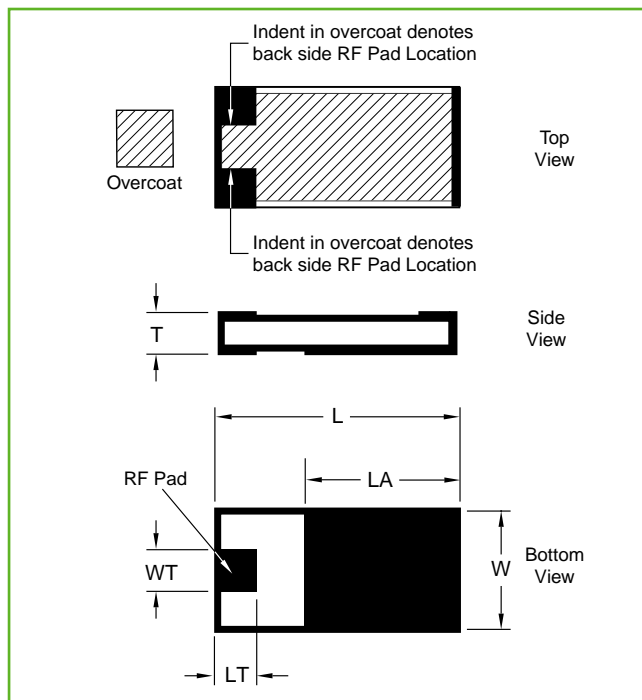


Surface Mount Chip Terminations Style CZ

General Specifications

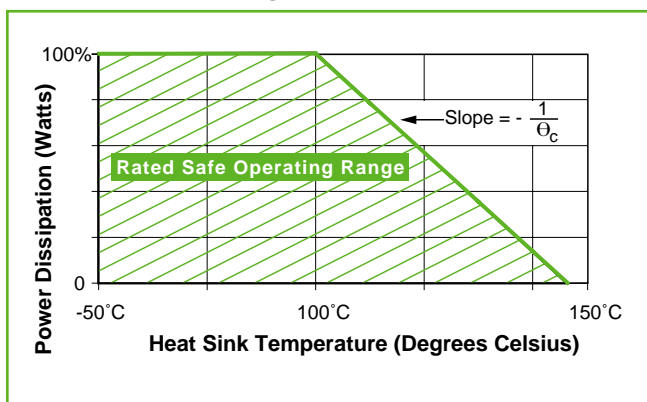
- **Nominal Impedence:** 50 Ω
- **Resistive Tolerance:** ±5% Standard (2% Available).
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** ±150 ppm/°C
- **Resistive Elements:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Terminals:** Silver
- **Reliability:**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



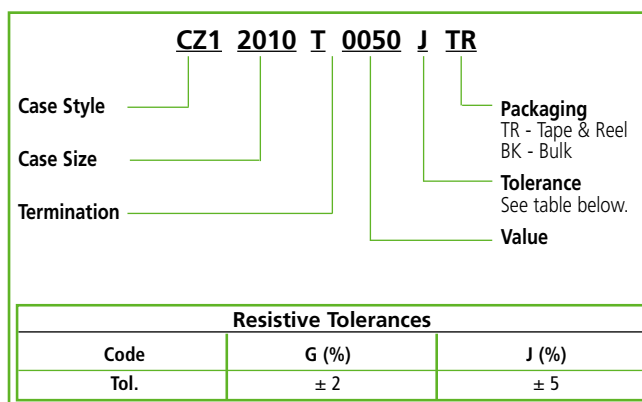
ATC Part Number	W ±.010	L ±.010	T ±.005	LT ±.005	WT ±.005	LA ±.005	Frequency Range (GHz)	VSWR (Max.)	Power Max* (Watts)
CZ12010T0050G	.100	.200	.040	.040	.090	.115	DC - 2	1.20	10W
CZ12525T0050G	.250	.250	.040	.030	.125	.170	DC - 2	1.15	20W
CZ13725T0050G	.250	.375	.040	.050	.125	.260	DC - 2	1.25	30W
CZ13737T0050G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



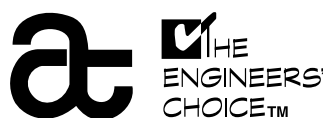
ATC Part Number Code



ATC has made every effort to have this information as accurate as possible. However, no responsibility is assumed by ATC for its use, nor for any infringements of rights of third parties which may result from its use. ATC reserves the right to revise the content or modify its product line without prior notice.

© 2002 American Technical Ceramics

ATC 001-970 Rev. A; 10/02



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