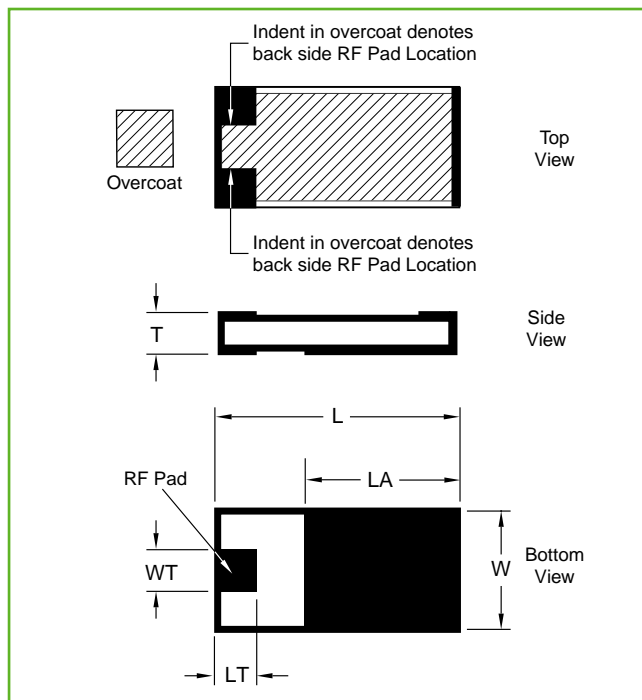


## Surface Mount Chip Terminations Style CZ

### General Specifications

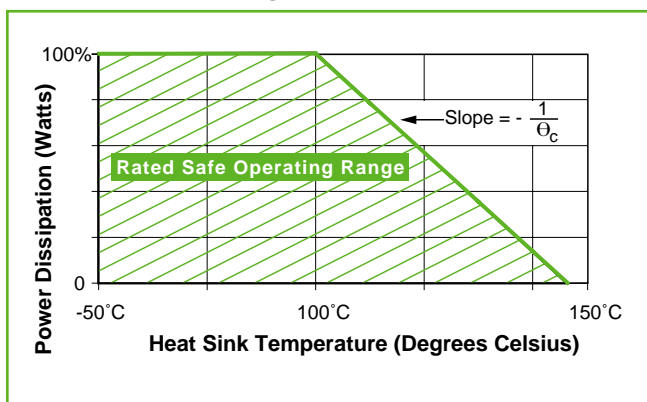
- **Nominal Impedence:** 50  $\Omega$
- **Resistive Tolerance:**  $\pm 5\%$  Standard (2% Available).
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:**  $\pm 150$  ppm/°C
- **Resistive Elements:** Proprietary film.
- **Substrate Material:** Aluminum Nitride.
- **Terminals:** Silver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



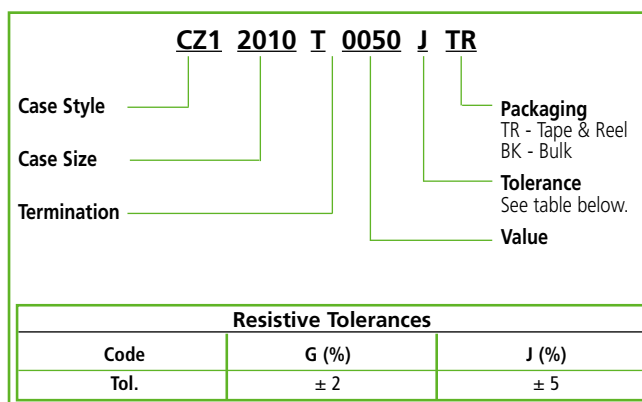
ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	LT $\pm .005$	WT $\pm .005$	LA $\pm .005$	Frequency Range (GHz)	VSWR (Max.)	Power Max* (Watts)
CZ12010T0050G	.100	.200	.040	.040	.090	.115	DC - 2	1.20	10W
CZ12525T0050G	.250	.250	.040	.030	.125	.170	DC - 2	1.15	20W
CZ13725T0050G	.250	.375	.040	.050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



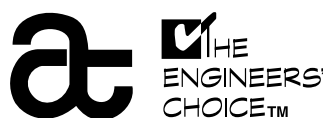
### ATC Part Number Code



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

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