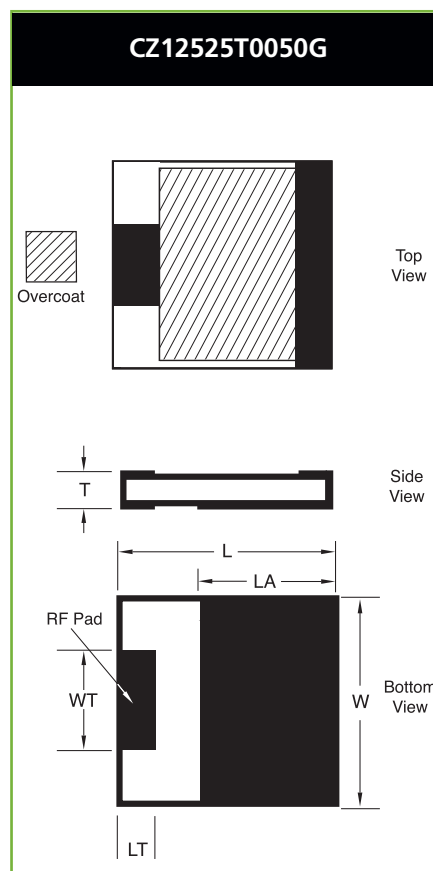
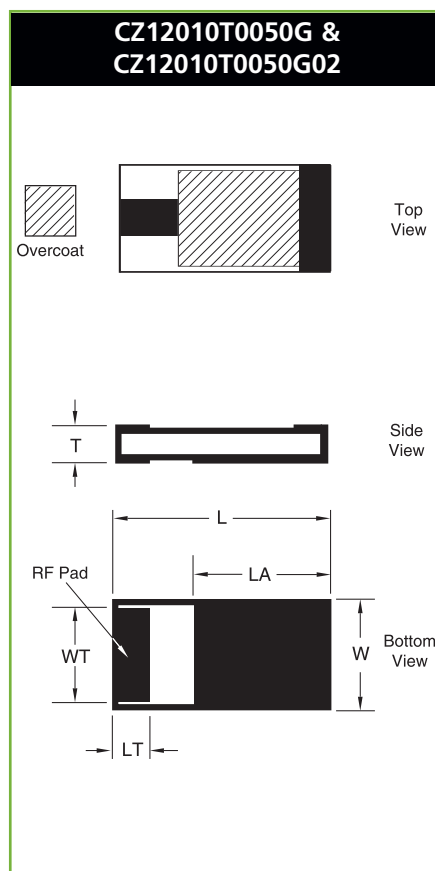


Surface Mount Chip Terminations

Style CZ

General Specifications

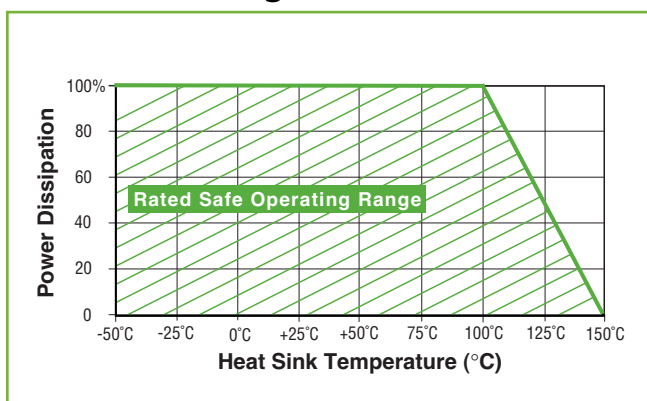
- **Nominal Impedance:** 50 Ω
- **Resistive Tolerance:**
 $\pm 2\%$ standard
- **Operating Temp Range:**
-55 to +150°C
- **Temperature Coefficient:**
 ± 150 ppm/°C
- **Resistive Elements:**
Tantalum, Thin Film Processed
- **Substrate Material:**
Aluminum Nitride
- **Terminals:** Silver over Nickel
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Tape and Reel Specifications:**
See ATC #001-1067



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 (Typ.)	Power Max* (Watts)
CZ12010T0050G	.100	.200	.040	.040	.090	.115	DC - 3.0	1.20:1	10W
CZ12010T0050G02	.100	.200	.040	.020	.090	.140	DC - 3.0	1.20:1	10W
CZ12525T0050G	.245	.245	.040	.030	.125	.170	DC - 4.0	1.25:1	20W

* 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

CZ1 2010 T 0050 J TR

Case Style	Case Size	Termination	Packaging	Tolerance	Value
			TR - Tape & Reel BK - Plastic Carrier	See table below.	

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

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Excerpt from ATC # 001-944; Rev. 0, 12/10

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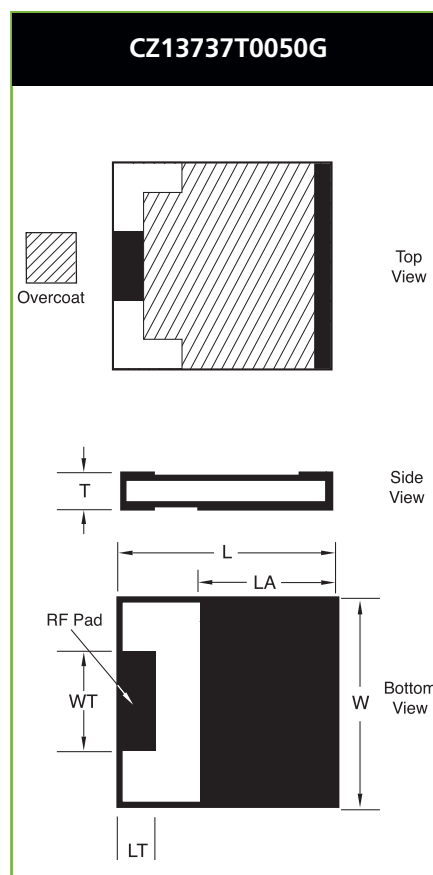
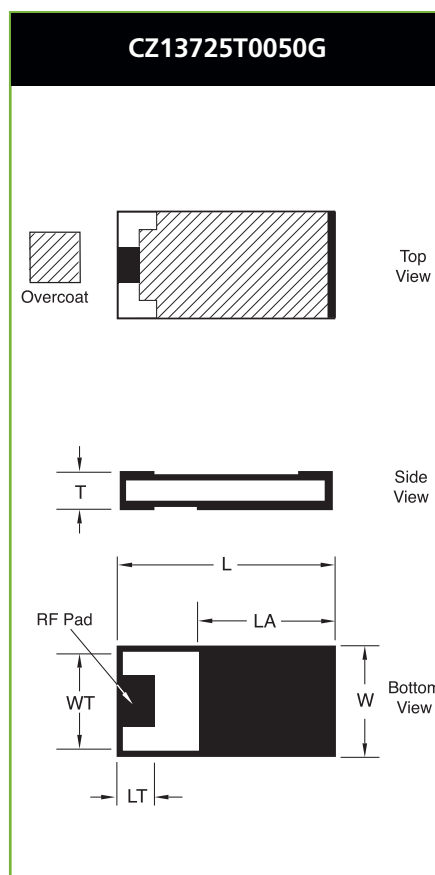
w w w . a t c e r a m i c s . c o m

Surface Mount Chip Terminations

Style CZ

General Specifications

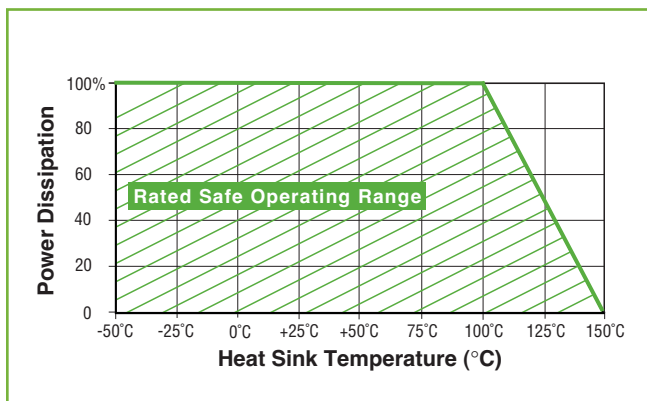
- **Nominal Impedance:** 50 Ω
- **Resistive Tolerance:**
 $\pm 2\%$ standard
- **Operating Temp Range:**
-55 to +150°C
- **Temperature Coefficient:**
 ± 150 ppm/°C
- **Resistive Elements:**
Tantalum, Thin Film Processed
- **Substrate Material:**
Aluminum Nitride
- **Terminals:** Silver over Nickel
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Tape and Reel Specifications:**
See ATC #001-1067



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 (Typ.)	Power Max* (Watts)
CZ13725T0050G	.250	.375	.040	.050	.125	.260	DC - 2.2	1.20:1	30W
CZ13737T0050G	.370	.370	.040	.050	.125	.275	DC - 3.0	1.25:1	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

CZ1	2010	T	0050	J	TR
Case Style	Case Size	Termination			Packaging
					TR - Tape & Reel BK - Plastic Carrier
					Tolerance
					See table below.
					Value
Resistive Tolerances					
Code	G (%)		J (%)		
Tol.	± 2		± 5		

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