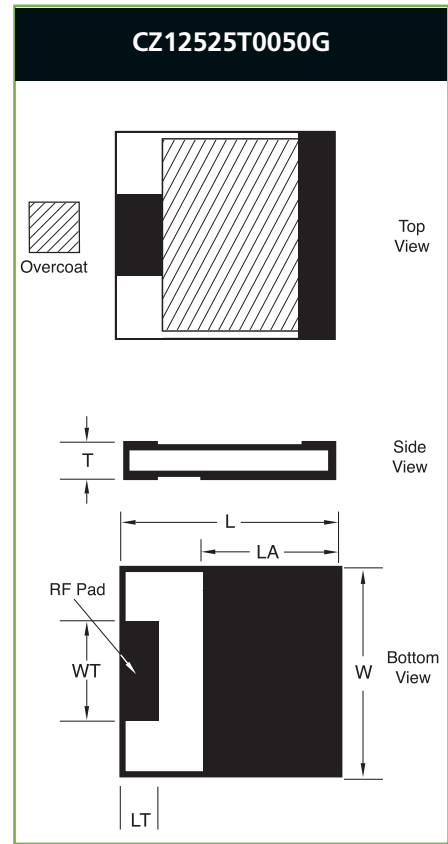
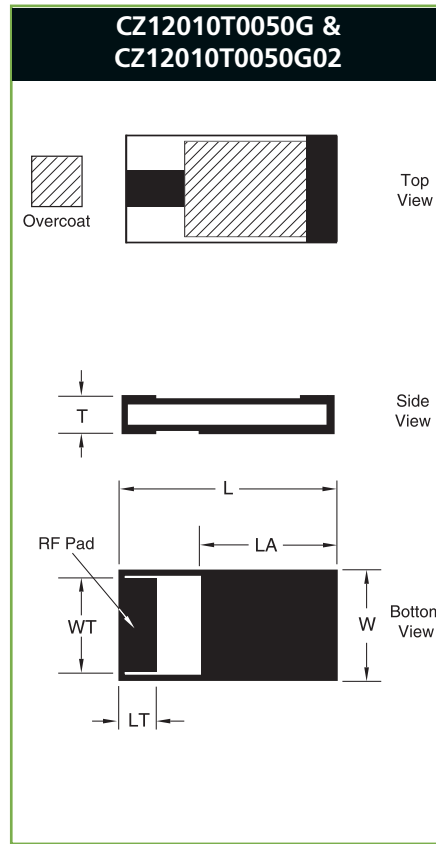


## Surface Mount Chip Terminations

### Style CZ1

#### General Specifications

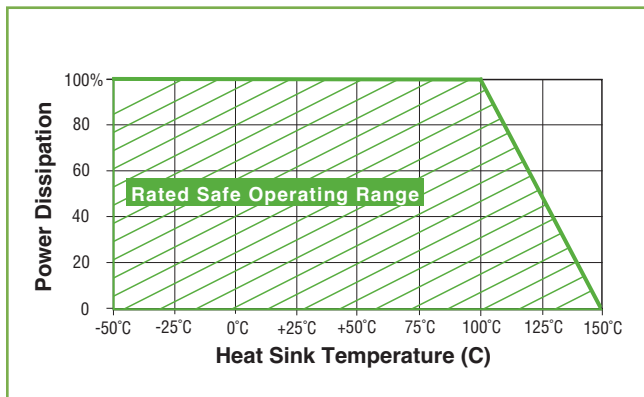
- **Nominal Impedance:** 50  $\Omega$
- **Resistive Tolerance:**  $\pm 2\%$  standard
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:**  $\pm 150$  ppm/°C
- **Resistive Elements:** Tantalum, Thin Film Processed
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver over Nickel
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Tape and Reel Specifications:** See Page 39 of full Resistive Products Catalog



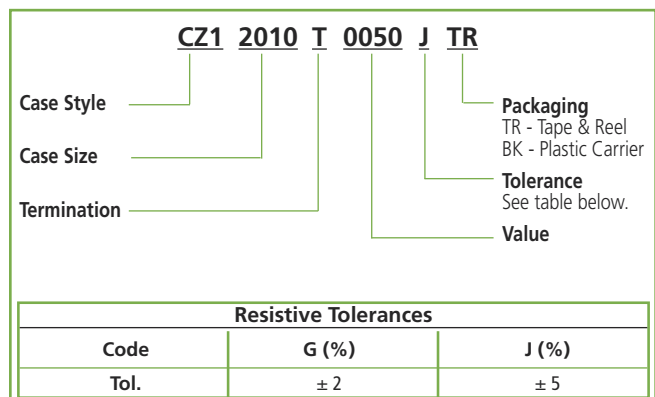
ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	LT $\pm .005$	WT $\pm .005$	LA $\pm .005$	Frequency Range (GHz)	VSWR (Typ.)	Power Max* (Watts)
CZ12010T0050G	.100	.200	.040	.040	.090	.115	DC - 3.0	1.20:1	10W
CZ12010T0050G02	.100	.200	.040	.020	.090	.140	DC - 3.0	1.20:1	10W
CZ12525T0050G	.245	.245	.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



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Excerpt from ATC # 001-944; Rev. T, 6/14

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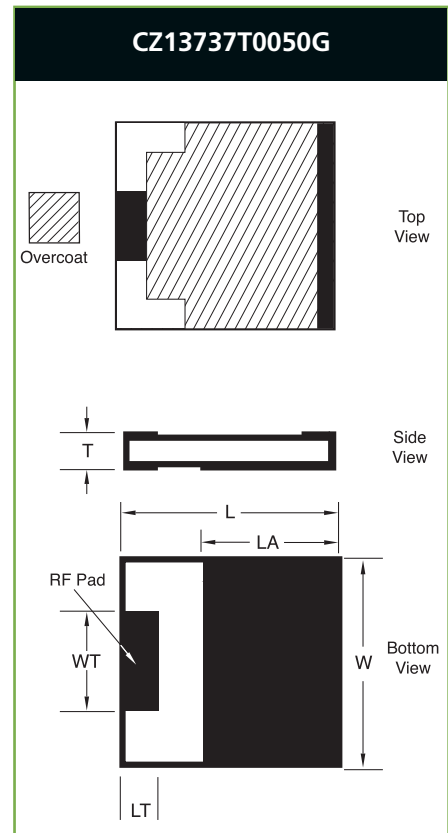
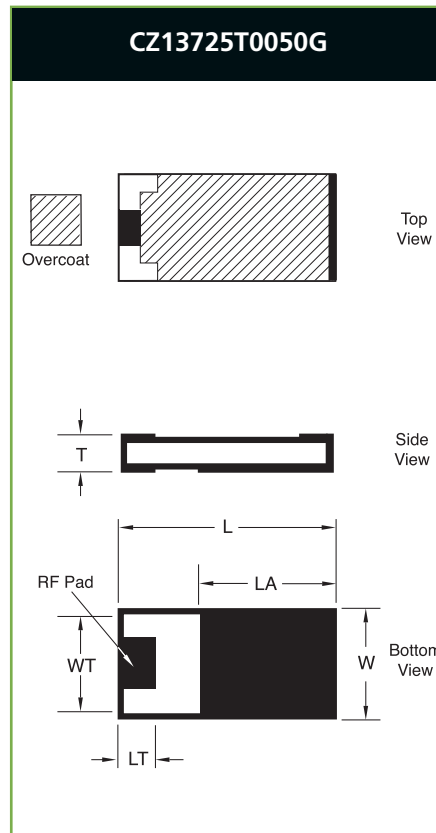
ATC Asia  
sales@atceramics-asia.com

[www.atceramics.com](http://www.atceramics.com)

## Surface Mount Chip Terminations Style CZ1

### General Specifications

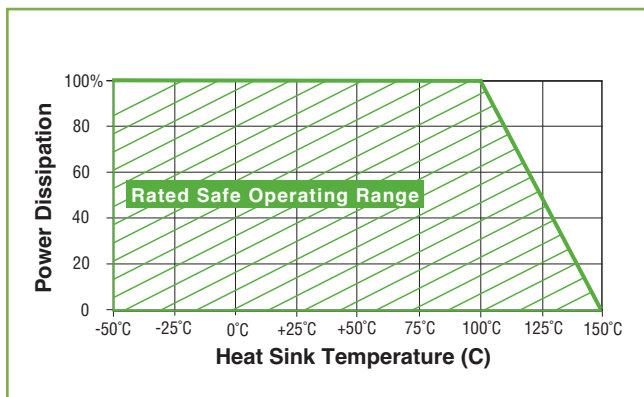
- **Nominal Impedance:** 50  $\Omega$
- **Resistive Tolerance:**  $\pm 2\%$  standard
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:**  $\pm 150$  ppm/°C
- **Resistive Elements:** Tantalum, Thin Film Processed
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver over Nickel
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Tape and Reel Specifications:** See Page 39 of full Resistive Products Catalog



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 ——— CZ1  
 Case Size ——— 2010  
 Termination ——— T

Value ——— 0050  
 Tolerance ——— J  
 Packaging ——— TR

Packaging  
 TR - Tape & Reel  
 BK - Plastic Carrier

Tolerance  
 See table below.

Resistive Tolerances		
Code	G (%)	J (%)
Tol.	$\pm 2$	$\pm 5$

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# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[American Technical Ceramics \(ATC\):](#)

[CZ12010T0050GTR](#) [CZ12525T0050GTR](#) [CZ13725T0050GTR](#) [CZ13737T0050GTR](#) [CZ12525T0050GBK](#)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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