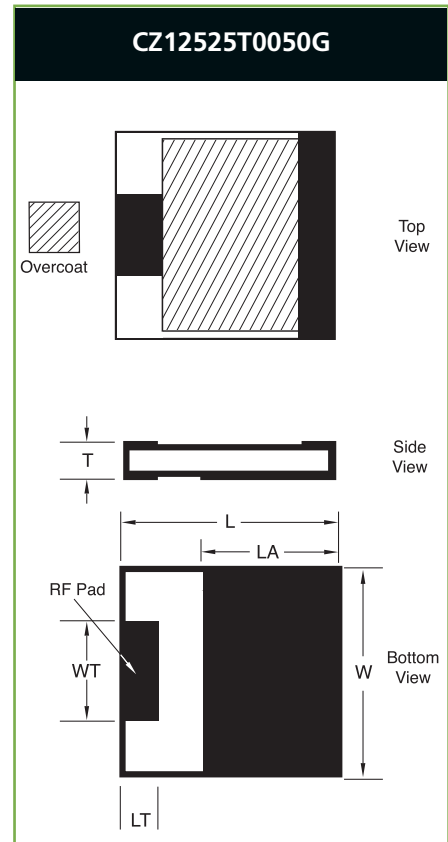
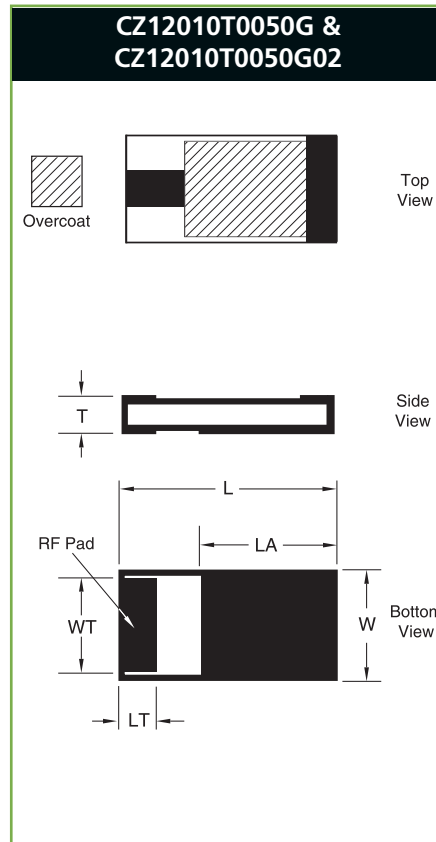


## Surface Mount Chip Terminations

### Style CZ1

#### General Specifications

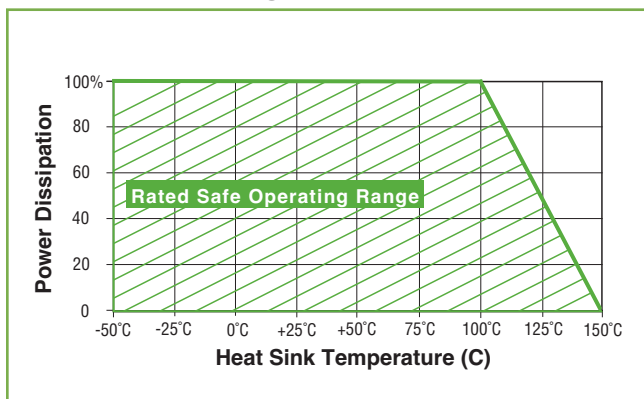
- **Nominal Impedance:** 50  $\Omega$
- **Resistive Tolerance:**  $\pm 2\%$  standard
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:**  $\pm 150$  ppm/°C
- **Resistive Elements:** Tantalum, Thin Film Processed
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver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



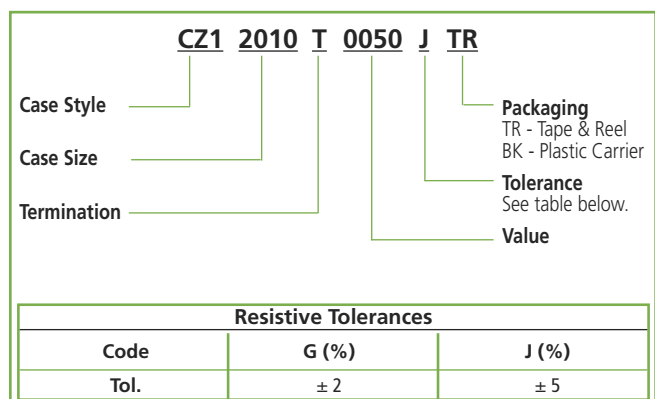
| ATC Part Number | W<br>$\pm .010$ | L<br>$\pm .010$ | T<br>$\pm .005$ | LT<br>$\pm .005$ | WT<br>$\pm .005$ | LA<br>$\pm .005$ | Frequency<br>Range (GHz) | VSWR<br>(Typ.) | Power Max*<br>(Watts) |
|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|--------------------------|----------------|-----------------------|
| 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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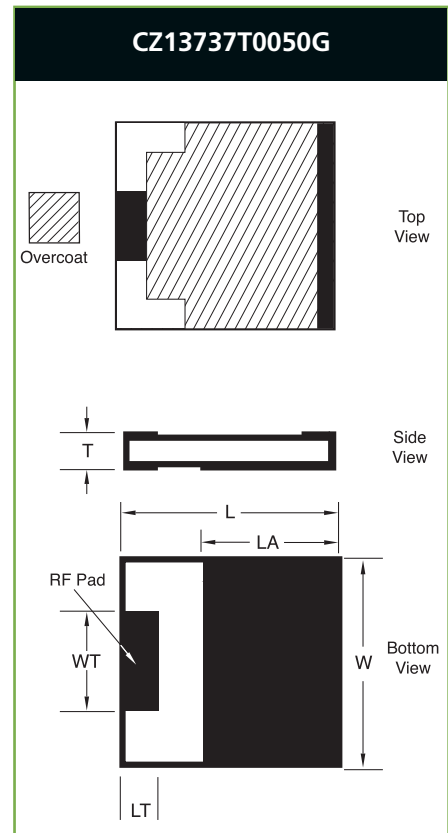
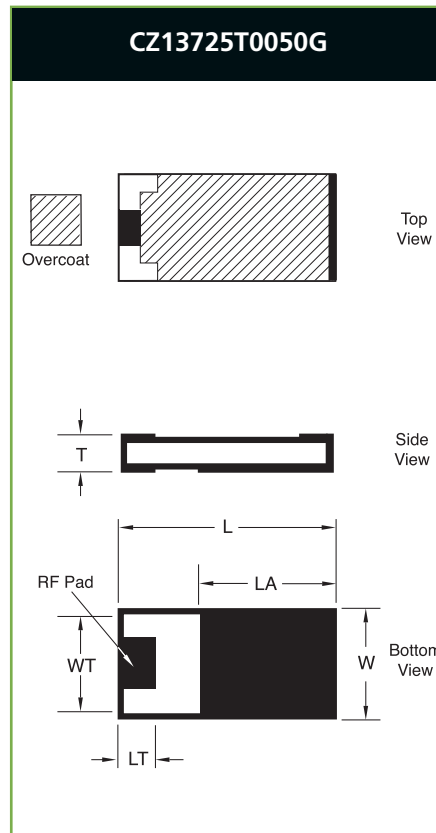
ATC Asia  
sales@atceramics-asia.com

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

## Surface Mount Chip Terminations Style CZ1

### General Specifications

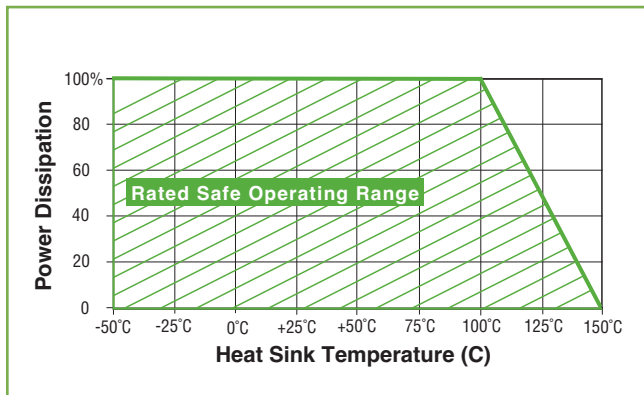
- **Nominal Impedance:** 50  $\Omega$
- **Resistive Tolerance:**  $\pm 2\%$  standard
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:**  $\pm 150$  ppm/°C
- **Resistive Elements:** Tantalum, Thin Film Processed
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver 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<br>$\pm .010$ | L<br>$\pm .010$ | T<br>$\pm .005$ | LT<br>$\pm .005$ | WT<br>$\pm .005$ | LA<br>$\pm .005$ | 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

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[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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**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

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