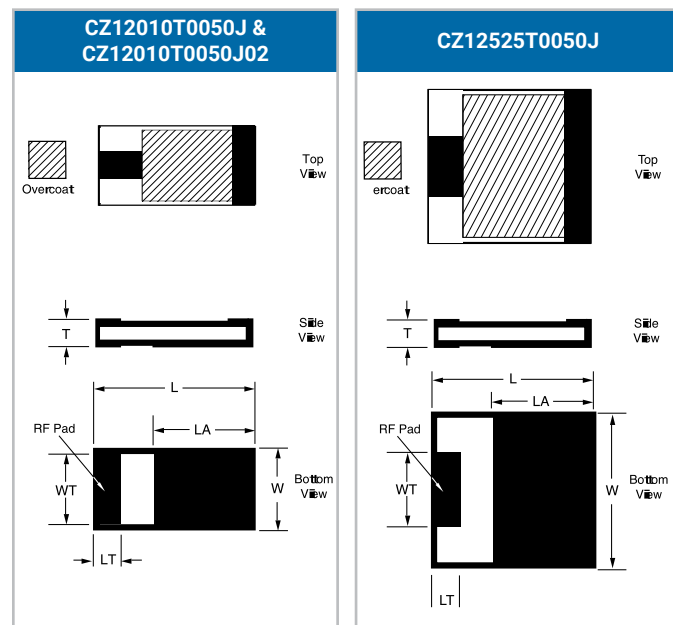


High Power Resistive Products

Surface Mount Chip Terminations - CZ Series

GENERAL SPECIFICATIONS

- **Nominal Impedance:** 50 Ω standard. Additional values available upon request. (DC Resistance may differ from selected impedance)
- **Tolerance:** $\pm 5\%$ standard. Additional tolerances available. (Refer to How to Order)
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **Resistive Elements:** Tantalum
- **Substrate Material:** Aluminum Nitride
- **Leads:** 99.99% Pure Silver
- **Cover:** Alumina
- **Reliability:** MIL-PRF-55342
- **RoHS Compliant**



Values in Inches

Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	LT $\pm .005$	WT $\pm .005$	LA $\pm .005$	Frequency* (GHz)	VSWR* (Typ.)	Power Max** (Watts)	Impedance Values (Ohms)
CZ12010TxxxxJ	0.100	0.200	0.040	0.040	0.090	0.115	DC to 3.0	1.20:1	10W	16.5-123.8 Ω
CZ12010TxxxxJ02	0.100	0.200	0.040	0.020	0.090	0.140	DC to 3.0	1.20:1	10W	16.5-123.8 Ω
CZ12525TxxxxJ	0.245	0.245	0.040	0.030	0.125	0.170	DC to 4.0	1.25:1	20W	7.9-59.5 Ω

xxxx denotes Ohm value (See How to Order Below)

* Frequency and VSWR values are based upon a 50 Ω impedance

** 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.

HOW TO ORDER

CZ1

Case Style

2010

Case Size

T

Termination

T = Ag over Ni
(See Note Below for Additional Options)

0050

Value

Impedance in Ω
Example:
0050 = 50 Ω
0100 = 100 Ω
25R5 = 25.5 Ω

J

Tolerance

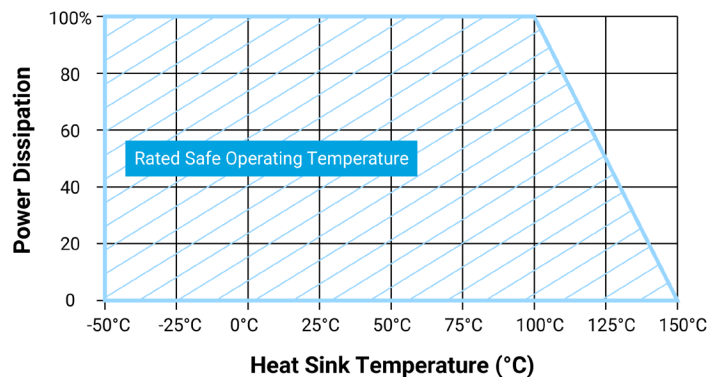
Code	Tol.
G	$\pm 2\%$
J	$\pm 5\%$

TR

Packaging

TR = Tape & Reel
BK = Plastic Carrier

POWER DERATING



Note: Special Order Terminations:

G = Au over Ni

P = Pd over Ni

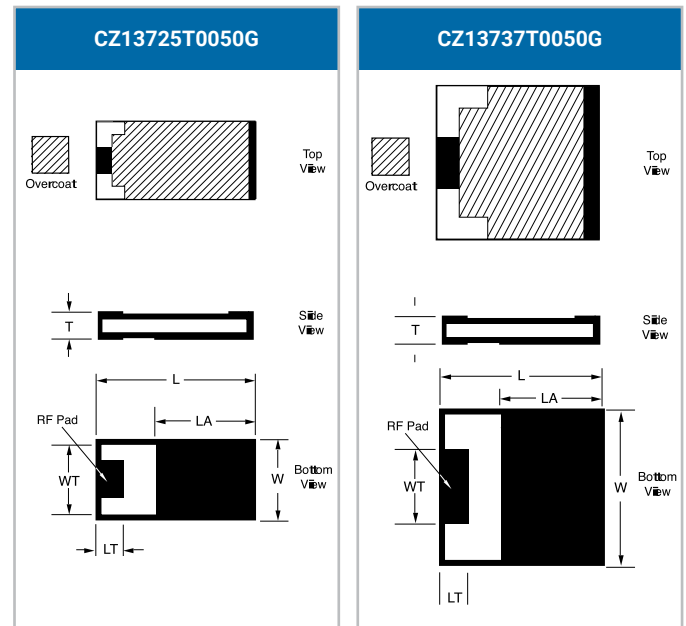
Pricing, lead times, and MOQ's vary

High Power Resistive Products

Surface Mount Chip Terminations - CZ Series

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- **Reliability:** MIL-PRF-55342
- **RoHS Compliant**



Values in Inches

Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	LT $\pm .005$	WT $\pm .005$	LA $\pm .005$	Frequency* (GHz)	VSWR* (Typ.)	Power Max** (Watts)	Impedance Values (Ohms)
CZ13725TxxxxJ	0.250	0.375	0.040	0.050	0.125	0.260	DC to 2.2	1.20:1	30W	18.2-136.6 Ω
CZ13737TxxxxJ	0.370	0.370	0.040	0.050	0.125	0.275	DC to 3.0	1.25:1	40W	6.6-49.7 Ω

xxxx denotes Ohm value (See How to Order Below)

* Frequency and VSWR values are based upon a 50 Ω impedance

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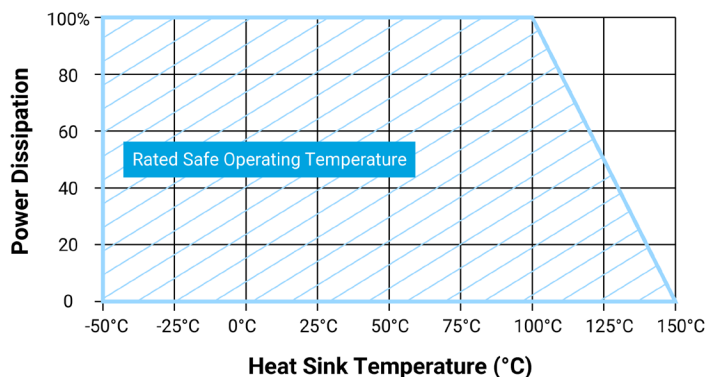
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