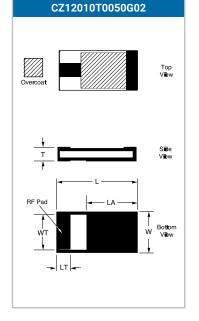
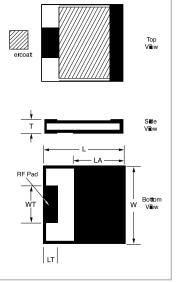
Surface Mount Chip Terminations CZ1 Style

GENERAL SPECIFICATIONS

- Nominal Impedance: 50 Ω
- Resistive Tolerance: ±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 & Reel Specifications:**



CZ12010T0050G &

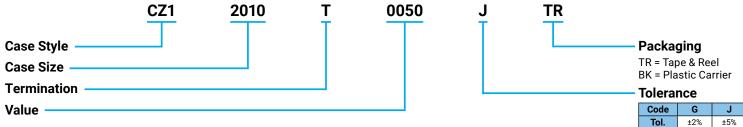


Values in Inches

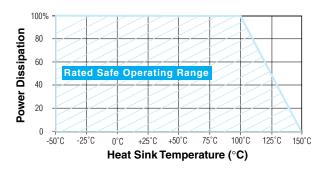
| Part Number | W ±.010 | L ±.010 | T ±.005 | LT ±.005 | WT ±.005 | LA ±.005 | Frequency Range (GHz) | VSWR (Typ.) | Power Max* (Watts) |
|-----------------|---------|---------|---------|----------|----------|----------|--------------------------|----------------|-----------------------|
| CZ12010T0050G | .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 R04350 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



POWER DERATING



KUDEER8 The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order. 12WAX



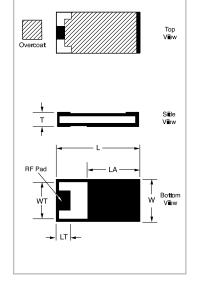
CZ12525T0050G

31

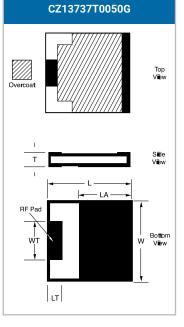
Surface Mount Chip Terminations CZ1 Style

GENERAL SPECIFICATIONS

- Nominal Impedance: 50 Ω
- **Resistive Tolerance:** ±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 & Reel Specifications:



CZ13725T0050G



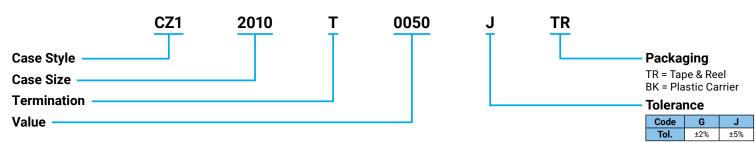
Values in Inches

KY<u>OCERa</u>

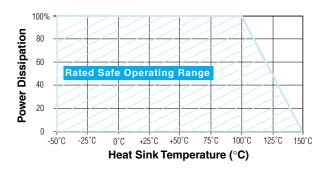
| Part Number | W ±.010 | L ±.010 | T ±.005 | LT ±.005 | WT ±.005 | LA ±.005 | Frequency Range (GHz) | VSWR (Typ.) | Power Max* (Watts) |
|---------------|---------|---------|---------|----------|----------|----------|--------------------------|----------------|-----------------------|
| CZ13725T0050G | .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 R04350 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



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