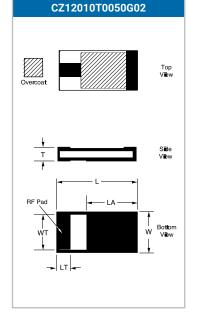
Surface Mount Chip Terminations CZ1 Style

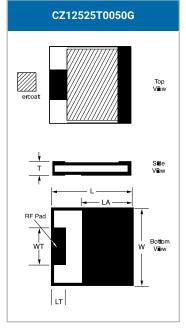


GENERAL SPECIFICATIONS

- 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 &

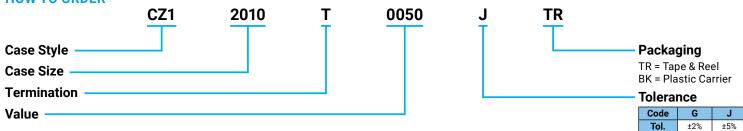


mm

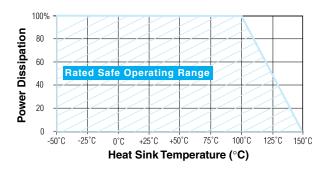
W ±.010	L ±.010	T ±.005	LT ±.005	WT ±.005	LA ±.005	Frequency Range (GHz)	VSWR (Typ.)	Power Max* (Watts)
.100	.200	.040	.040	.090	.115	DC - 3.0	1.20:1	10W
.100	.200	.040	.020	.090	.140	DC - 3.0	1.20:1	10W
.245	.245	.040	.030	.125	.170	DC - 4.0	1.25:1	20W
	.100 .100	.100 .200 .100 .200	.100 .200 .040 .100 .200 .040	.100 .200 .040 .040 .100 .200 .040 .020	.100 .200 .040 .040 .090 .100 .200 .040 .020 .090	.100 .200 .040 .040 .090 .115 .100 .200 .040 .020 .090 .140	W ±.010 L ±.010 I ±.005 LI ±.005 WI ±.005 LA ±.005 (GHz) .100 .200 .040 .040 .090 .115 DC - 3.0 .100 .200 .040 .020 .090 .140 DC - 3.0	W ±.010 L ±.010 T ±.005 LT ±.005 WT ±.005 LA ±.005 (GHz) (Typ.) .100 .200 .040 .040 .090 .115 DC - 3.0 1.20:1 .100 .200 .040 .020 .090 .140 DC - 3.0 1.20:1

* 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



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

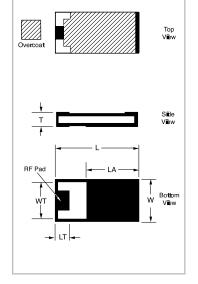
Surface Mount Chip Terminations CZ1 Style



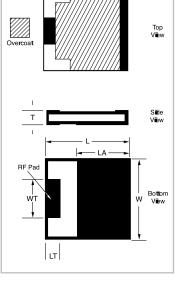
CZ13737T0050G

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

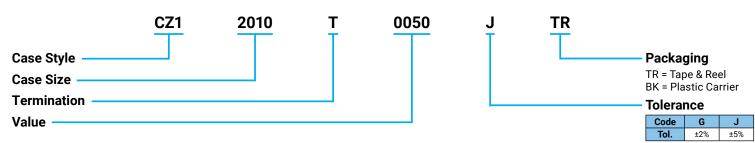


mm

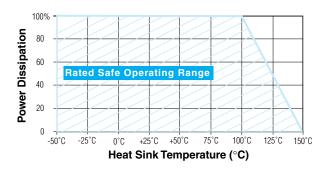
AVX Part Number	W ±.010	L ±.010	T ±.005	LT ±.005	WT ±.005	LA ±.005	Frequency Range (GHz)	VSWR (Typ.)	Power Max* (Watts)
CZ13725T0050G	.250	.375	.040	.050	.125	.260	DC - 2.2	1.20:1	30W
CZ13737T0050G	.370	.370	.040	.050	.125	.275	DC - 3.0	1.25:1	40W

* Test Condition: Chip soldered to a via patch on a 30-mil-thick Rogers 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



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