

Surface Mount Chip Resistors

Style CS1 and Style CW

General Specifications

- **Resistance:** 100 Ω standard, (other Ω values available)
- **Resistive Tolerance:** ±2% standard
- **Operating Temp Range:** -55 to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **Resistive Elements:** Proprietary Thin Film
- **Substrate Material:** Aluminum Nitride
- **Terminals:** Silver over Nickel
- **Lead-Free, RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Tape and Reel Specifications:**
See Page 39 of the full Resistive Products Catalog



ATC Part Number*	W ±.010	L ±.010	T ±.005	WT ±.005	LT ±.005	LA ±.005	Capacitance (pF)	Power Max** (Watts)
CS12010TxxxxG	.100	.200	.040	.090	.030	.095	.95 pF	10W
CS12525TxxxxG	.245	.245	.040	.120	.040	.110	1.85 pF	20W
CS13725TxxxxG	.250	.375	.040	.120	.050	.195	3.0 pF	30W
CS13737TxxxxG	.370	.370	.040	.360	.050	.195	3.5 pF	40W

ATC Part Number*	W ±.010	L ±.010	T ±.005	WT ±.005	LT ±.005	Power Max** (Watts)
CW12010TxxxxG	.100	.200	.040	.090	.030	4W
CW12525TxxxxG	.245	.245	.040	.120	.040	6W
CW13725TxxxxG	.250	.375	.040	.120	.050	8W
CW13737TxxxxG	.370	.370	.040	.360	.050	10W

* xxxx denotes Ohm value.

** 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

CS1 2010 T xxxx J TR

Case Style: CS1
Case Size: 2010
Termination: T
Packaging: TR - Tape & Reel
BK - Plastic Carrier
Tolerance: See table below.
Value: xxxx
J: J
TR: TR

Resistive Tolerances		
Code	G (%)	J (%)
Tol.	± 2	± 5

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