



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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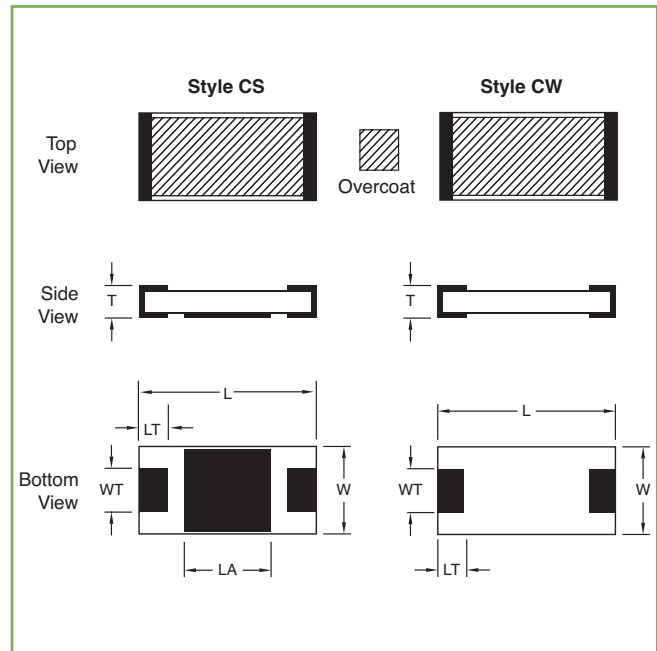


Surface Mount Chip Resistors

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

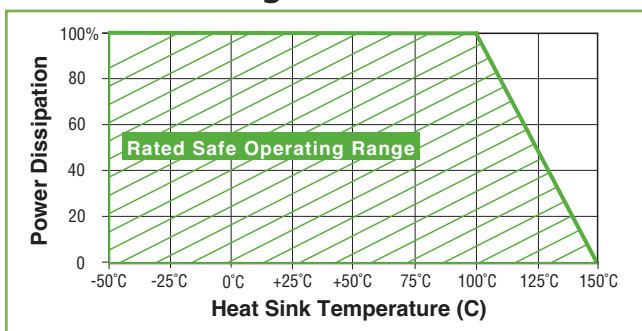
* xxxx denotes Ohm value.

** 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

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

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