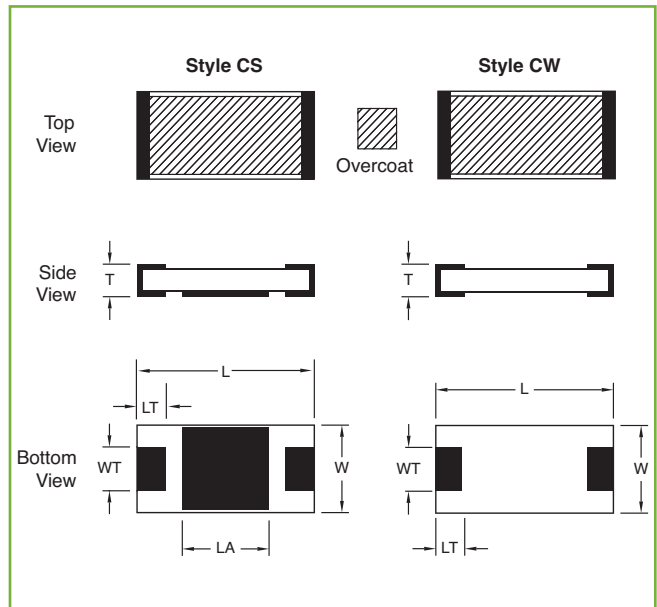


Surface Mount Chip Resistors

Style CS 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 37



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

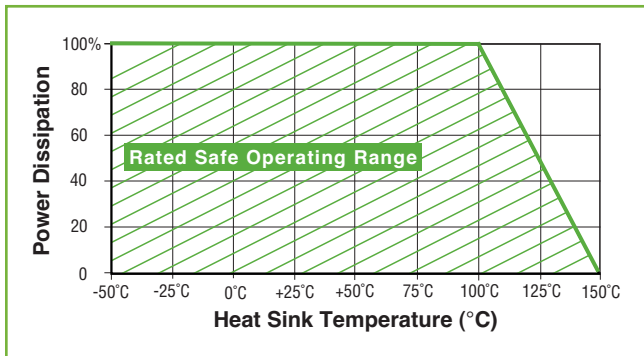
ATC Part Number*	W ±.010	L ±.010	T ±.005	WT ±.005	LT ±.005	Power Max** (Watts)
CW12010TxxxxG	.100	.200	.040	.090	.030	4W
CW12525TxxxxG	.245	.245	.040	.120	.040	6W
CW13725TxxxxG	.250	.375	.040	.120	.050	8W
CW13737TxxxxG	.370	.370	.040	.360	.050	10W

* xxxx denotes Ohm value.

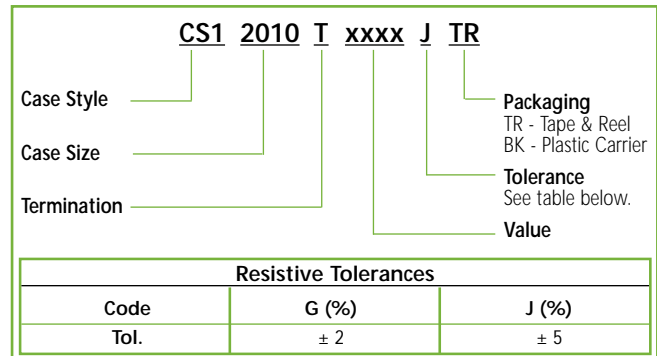
** Test Condition: Chip soldered to a via patch on a 30-mil-thick Rogers RO4350 board; Land surfaces at 100° C; maximum rated power applied.

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



Sales of ATC products are subject to the terms and conditions contained in American Technical Ceramics Corp. Terms and Conditions of Sale (ATC document #001-992 Rev. B; 12/05). Copies of these terms and conditions will be provided upon request. They may also be viewed on ATC's website at www.atceramics.com/productfinder/default.asp. Click on the link for Terms and Conditions of Sale. ATC has made every effort to have this information as accurate as possible. However, no responsibility is assumed by ATC for its use, nor for any infringements of rights of third parties which may result from its use. ATC reserves the right to revise the content or modify its product without prior notice.

© 2003 American Technical Ceramics Corp. All Rights Reserved.

Excerpt from ATC # 001-944; Rev K, 10/09

A M E R I C A N T E C H N I C A L C E R A M I C S

ATC North America
+1-631-622-4700 • sales@atceramics.com

ATC Europe
+46 8 6800410 • sales@atceramics-europe.com

ATC Asia
+86-755-2396-8759 • sales@atceramics-asia.com

w w w . a t c e r a m i c s . c o m