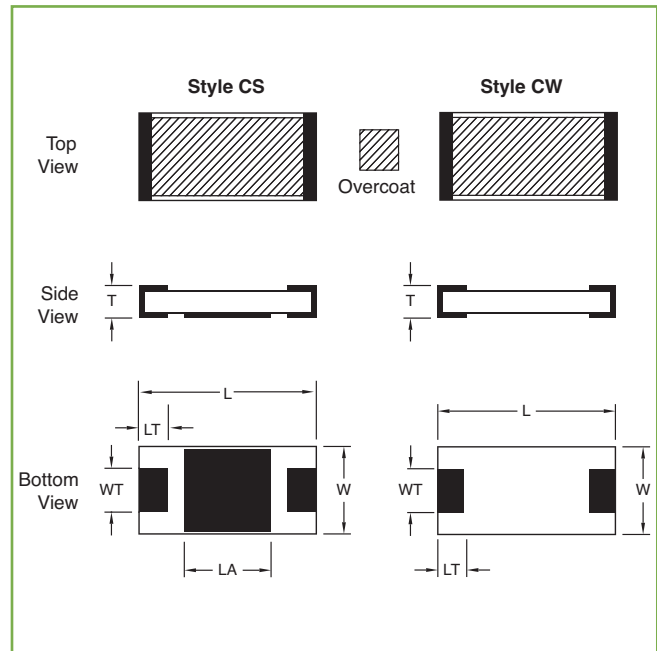


## Surface Mount Chip Resistors

### Style CS1 and Style CW

#### General Specifications

- **Resistance:** 100  $\Omega$  standard, (other  $\Omega$  values available)
- **Resistive Tolerance:**  $\pm 2\%$  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 $\pm .010$	L $\pm .010$	T $\pm .005$	WT $\pm .005$	LT $\pm .005$	LA $\pm .005$	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 $\pm .010$	L $\pm .010$	T $\pm .005$	WT $\pm .005$	LT $\pm .005$	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

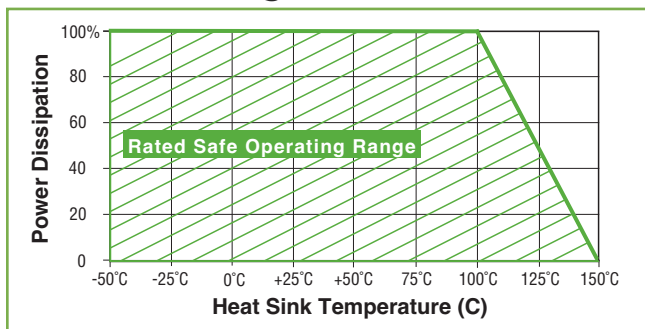
\* xxxx denotes Ohm value.

\*\* 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	Case Size	Termination	Value	Tolerance	Packaging
				See table below.	TR - Tape & Reel BK - Plastic Carrier
Resistive Tolerances					
Code	G (%)	J (%)			
Tol.	$\pm 2$	$\pm 5$			

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