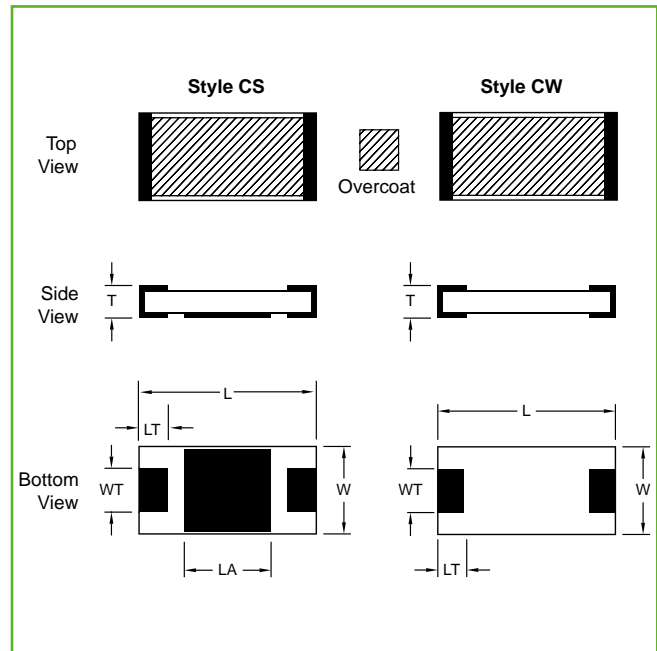


## Surface Mount Chip Resistors

### Style CS and Style CW

#### General Specifications

- **Resistance:** 50 and 100  $\Omega$  standard (10  $\Omega$  - 200  $\Omega$  available)
- **Resistive Tolerance:**  $\pm 2\%$ ,  $\pm 5\%$  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
- **RoHS Compliant**
- **Reliability:** MIL-PRF-55342
- **Tape and Reel Specifications:** See Page 26 of full catalog



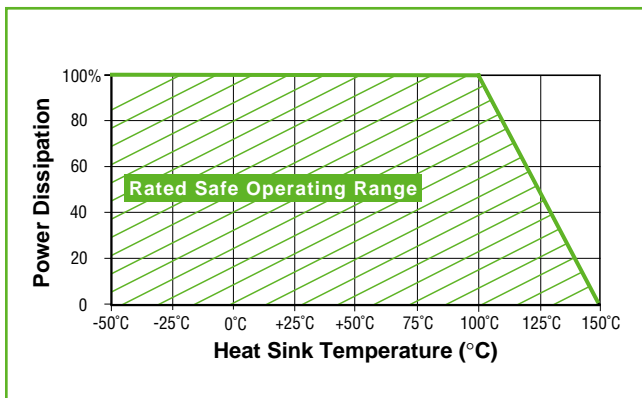
ATC Part Number	W $\pm .010$	L $\pm .010$	T $\pm .005$	WT $\pm .005$	LT $\pm .005$	LA $\pm .005$	Capacitance (pF)	Power Max* (Watts)
CS12010T0100G	.100	.200	.040	.090	.030	.095	.95 pF	10W
CS12525T0100G	.245	.245	.040	.120	.040	.110	1.85 pF	20W
CS13725T0100G	.250	.375	.040	.120	.050	.195	3.0 pF	30W
CS13737T0100G	.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)
CW11005T0100G	.050	.100	.025	.045	.030	2W
CW12010T0100G	.100	.200	.040	.090	.030	4W
CW12525T0100G	.245	.245	.040	.120	.040	6W
CW13725T0100G	.250	.375	.040	.120	.050	8W
CW13737T0100G	.370	.370	.040	.360	.050	10W

\* 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 0100 J TR**

Case Style: CS1  
Case Size: 2010  
Termination: T  
Packaging: TR - Tape & Reel  
BK - Bulk  
Tolerance: J (See table below)  
Value: 0100

Resistive Tolerances		
Code	G (%)	J (%)
Tol.	$\pm 2$	$\pm 5$

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  
631-622-4700 • sales@atceramics.com

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

ATC Asia  
+86-755-8366-4318 • sales@atceramics-asia.com

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