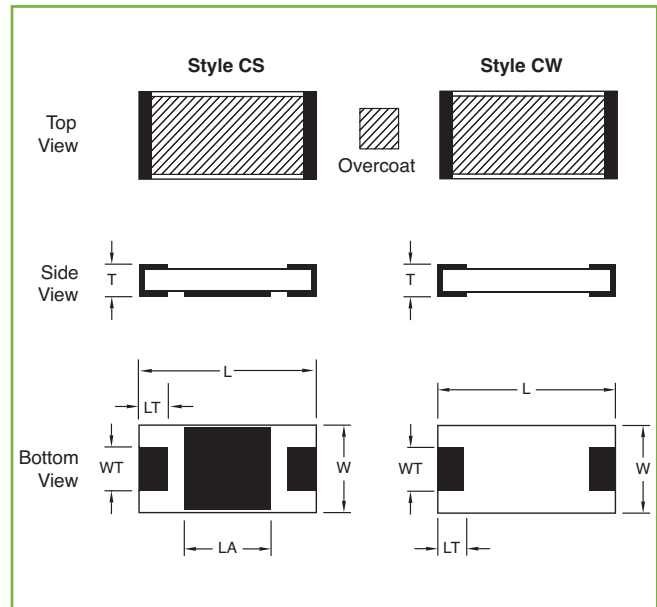


## Surface Mount Chip Resistors

### 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                 |

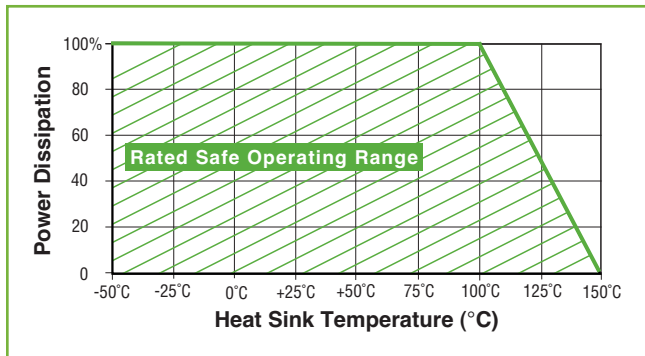
| ATC Part Number* | W ±.010 | L ±.010 | T ±.005 | WT ±.005 | LT ±.005 | Power Max** (Watts) |
|------------------|---------|---------|---------|----------|----------|---------------------|
| CW12010TxxxxG    | .100    | .200    | .040    | .090     | .030     | 4W                  |
| CW12525TxxxxG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

\* xxxx denotes Ohm value.

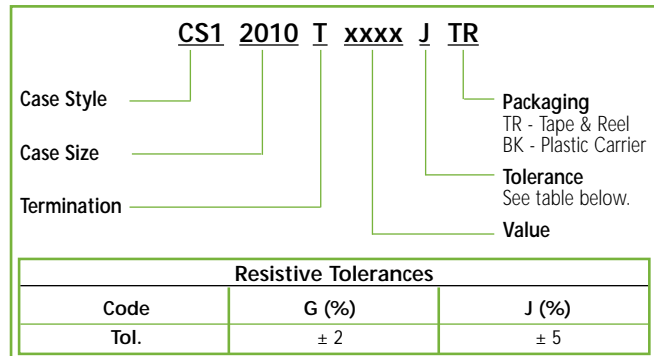
\*\* Test Condition: Chip soldered to a via patch on a 30-mil-thick Rogers RO4350 board; Land surfaces at 100° C; maximum rated power applied.

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



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