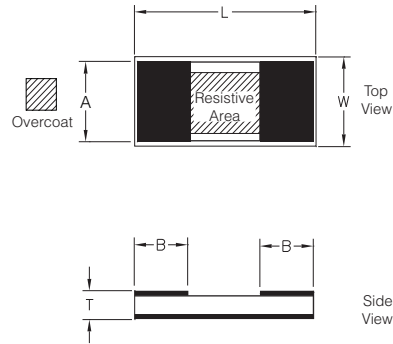


High Power Resistive Products

Chip Resistors – CR1 Style

GENERAL SPECIFICATIONS

- Resistance: 100 Ω standard, $\pm 5\%$ standard -55 to +150°C
- Temperature Coefficient: <150 ppm/°C
- Resistive Elements: Proprietary Thin Film
- Substrate Material: Aluminum Nitride
- Terminals: Silver
- Lead-Free, RoHS Compliant
- Reliability: MIL-PRF-55342
- Non-Magnetic
- Tape and Reel Specifications:



Values in Inches

| Part Number* | W $\pm .010$ | L $\pm .010$ | T $\pm .005$ | A $\pm .005$ | B (Typ.) | Capacitance (pF) | Power Max** (Watts) |
|-----------------|--------------|--------------|--------------|--------------|----------|------------------|---------------------|
| CR10603TxxxxJ | 0.03 | 0.06 | 0.025 | 0.028 | 0.01 | 0.3 | 2.5W |
| CR11005TxxxxJ | .050 | .100 | .025 | .045 | .020 | .75 | 5W |
| CR11206TxxxxJ | .060 | .120 | .025 | .055 | .020 | .90 | 15W |
| CR12010TxxxxJ | .100 | .200 | .040 | .090 | .020 | 1.0 | 30W |
| CR12525TxxxxJ | .245 | .245 | .040 | .130 | .020 | 2.0 | 60W |
| CR12525TxxxxJ01 | .245 | .245 | .040 | .130 | .020 | 2.0 | 100W |
| CR13725TxxxxJ | .250 | .375 | .040 | .198 | .025 | 4.15 | 150W |
| CR13737TxxxxJ | .370 | .370 | .040 | .330 | .025 | 6.0 | 250W |

* xxxx denotes Ohm value.

** Test Condition: Chip soldered to a large copper carrier whose surface is 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.

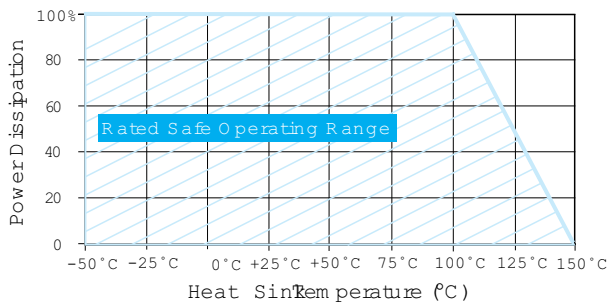
HOW TO ORDER

Case Style CR1
Case Size 2010
Termination T
Value xxxx
J
TR **Packaging**
 TR = Tape & Reel (Standard)
 BK = Plastic Carrier
 TU* (Optional)
Tolerance

| Code | G | J |
|------|-----------|-----------|
| Tol. | $\pm 2\%$ | $\pm 5\%$ |

100 Ω = 0100
 50 Ω = 0050

POWER DERATING



Mouser Electronics

Authorized Distributor

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