

PRECISION BULK METAL® FOIL TECHNOLOGY

Discrete Surface Mount Chip Resistors

FEATURES

•Temperature Coefficient of Resistance:

Nominal TCR: +0.6ppm/°C (0°C to +25°C)
 -0.6ppm/°C (+25°C to +60°C)
 +2.2ppm/°C (-55°C to +25°C)
 -1.8ppm/°C (+25°C to +125°C)

- Resistance Range: 5Ω to 150KΩ (depending on chip size)
- Tolerance: to ±0.01%
- LoadLife Stability: ±0.025% MaxΔR under full rated power @+70°C for 2000 hours
- ShelfLife Stability: 50ppm/year (0.005%) Max Δ R non-hermetically sealed
- Voltage Coefficient: <0.00001% / Volt (<0.1ppm / V)
- Current Noise:<0.010μV (rms) / volt of applied voltage
- Non Inductive: <0.08μH


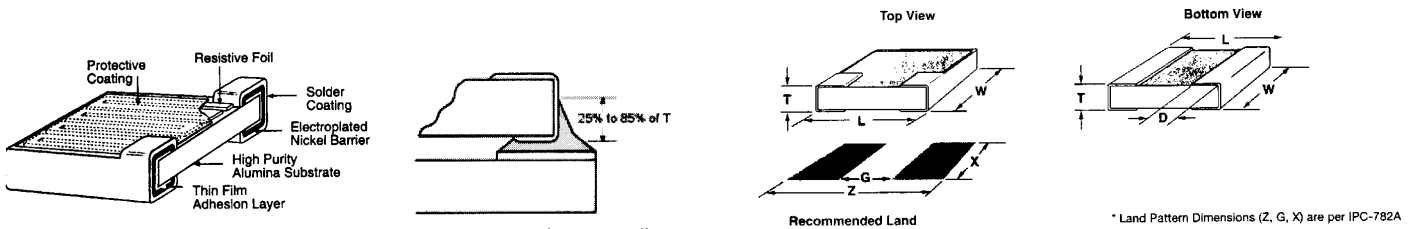
	Model	Resistance Range	Tolerances Available	TCR Limit	Power Rating @70°C	Maximum Voltage
	2110	5Ω to 80KΩ	± 0.01%: 250Ω to 150KΩ ± 0.02%: 100Ω to 150KΩ ± 0.05%: 50Ω to 150KΩ ± 0.1%: 25Ω to 150KΩ	±5ppm/°C ±5ppm/°C ±10ppm/°C ±20ppm/°C	200mW	140
	2018	5Ω to 150KΩ	± 0.25%: 10Ω to 150KΩ ± 0.5%: 5Ω to 150KΩ ± 1.0%: 5Ω to 150KΩ	±20ppm/°C ±20ppm/°C ±20ppm/°C	300mW	200

Table of Dimensions	L Inches ±0.005	W Inches ±0.005	T Inches Max	D Inches ±0.005	Z Inches ±0.004	G Inches ±0.004	X Inches ±0.004
2110	0.250	0.095	0.025	0.018	0.248	0.146	0.095
2018	0.204	0.184	0.025	0.018	0.248	0.146	0.184

Ask about DSCC Specifications 93030 (2018) 93078 (2110)

TxCC can print the resistor value on the face of the resistor for easier identification. Just Ask!



Rev.06/08

Notice

Soldering temperatures used during installation may cause resistance shift up to 0.05%. Recommended installation process: IR, Vapor Phase or Convection Reflow. Avoid the use of cleaning agents, which could attack epoxy resins, which form part of the resistor construction. A low profile solder fillet is recommended to avoid unnecessary stress along the top edge of metallization. IR and Vapor Phase Reflow are best.