

PRECISION BULK METAL® FOIL TECHNOLOGY

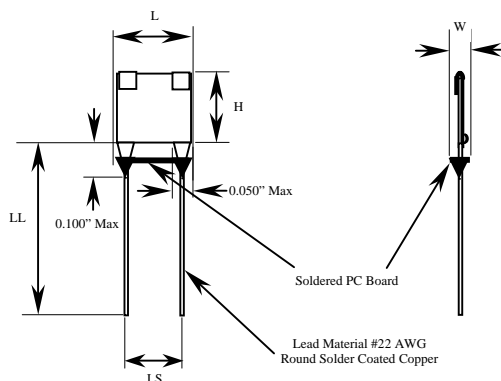
TX2352

Naked Bulk Metal Foil for Audio Applications
Possibly the "Quietest" Resistor

FEATURES

- 1 Ω to 100K Ω - Nominal Temperature Coefficient of Resistance:
-0.3ppm/ $^{\circ}$ C (0 $^{\circ}$ C to +25 $^{\circ}$ C); +0.3ppm/ $^{\circ}$ C (+25 $^{\circ}$ C to +60 $^{\circ}$ C)
-1.0ppm/ $^{\circ}$ C (-55 $^{\circ}$ C to +25 $^{\circ}$ C); +1.0ppm/ $^{\circ}$ C (+25 $^{\circ}$ C to +125 $^{\circ}$ C)
- >100K Ω to 250K Ω - Nominal Temperature Coefficient of Resistance:
+0.6ppm/ $^{\circ}$ C (0 $^{\circ}$ C to +25 $^{\circ}$ C); -0.6ppm/ $^{\circ}$ C (+25 $^{\circ}$ C to +60 $^{\circ}$ C)
+2.2ppm/ $^{\circ}$ C (-55 $^{\circ}$ C to +25 $^{\circ}$ C); -1.8ppm/ $^{\circ}$ C (+25 $^{\circ}$ C to +125 $^{\circ}$ C)
- Selected TCR Tracking: to 0.5ppm/ $^{\circ}$ C (matched sets)
- Power Rating: 0.6W @ +70 $^{\circ}$ C; 0.3W @ +125 $^{\circ}$ C (up to 100K Ω)
0.4W @ +70 $^{\circ}$ C; 0.2W @ +125 $^{\circ}$ C (100K Ω -250K Ω)
- Load Life Stability: \pm 150 ppm Max Δ R (2,000 Hrs. at rated power)
- Resistance Tolerances Available: \pm 0.005% to \pm 1.0% depending upon resistor value (See table below)
- Resistance Range: 1 Ω to 250K Ω
- Current Noise: 0.010 μ V/ $^{\circ}$ C Maximum; 0.05 μ V/ $^{\circ}$ C Typical;
1 μ V/ Watt
- Rise/ Decay Time: 1.0 Nanosecond @ 1K Ω

ATTENTION!	Model	Value Range	Max Voltage	Power Rating	Dimensions In Inches	Tolerances Available
* For higher resistive values and power ratings, please consult Texas Components Corporation.	TX2352	1 Ω to 250K Ω	300V	Ambient Power Rating @+70 $^{\circ}$ C @125 $^{\circ}$ C 0.6W 0.3W up to 100K Ω 0.4W 0.2W 100K Ω to 250K Ω	W: 0.071 Max. L: 0.250 Max. H: 0.210 Max. LL: 1.000 \pm 0.125 LS: 0.150 \pm 0.005	\pm 0.005%:50 Ω -250K Ω \pm 0.01%:10 Ω -250K Ω \pm 0.02%:5 Ω -250K Ω \pm 0.05%:2 Ω -250K Ω \pm 1.0%:0.5 Ω -250K Ω



PLEASE NOTE!

This product is fragile and may be damaged if mishandled.

Texas Components does not accept responsibility for damage caused by misuse.

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