# **Product Profile**

a HEICO company EMI/RFI Board, Enclosure,

00434



# **Copper Foil Tape**

Copper foil tapes are ideally suited for critical shielding and masking applications. Copper tape has countless applications in electronics from creating low-profile traces for electrical components to RF-shielding.

Copper Foil Tape Specification		
Properties	ST003CU50	ST003CU100
Material Composition	Copper foil with conductive acrylic PSA	Copper foil with conductive acrylic PSA
Surface Resistivity	$\leq$ 0.05 $\Omega$ /sq	$\leq 0.05 \Omega/sq$
Resistance	≤ 0.2 Ω	≤ 0.2 Ω
180° Peel Adhesion	> 1.76 lb/in (0.8 kg/in)	> 1.76 lb/in (0.8 kg/in)
Service Temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
RoHS	Yes	Yes
Thickness	0.0023 ± .0004 inch (0.06 ± .01 mm)	0.0023 ± .0004 inch (0.06 ± .01 mm)
Width	0.50 inch (12.7mm)	1.00 inch (25.4 mm)
Shelf Life	12 months*	12 months*

#### \*Handling and Storage:

 Store in cool, dry conditions at 73°F ± 9°F (23°C ± 5°C) and 60%-70% relative humidity. Avoid exposure to sunlight.

#### Adhesive:

• Pressure sensitive acrylic adhesive is conductive using nickel and copper.





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### **Applications**

- EMI/RFI shielding
- Grounding
- Prototyping
- Design troubleshooting
- Seal enclosure seams
- Cable/connector wrapping to reduce EMI

Cable Shielding & Thermal Solutions

#### **Benefits**

- Double sided conductivity
- Economical



COPPER FOIL TAPE

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