



## 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	$\leq 0.05 \Omega/\text{sq}$	$\leq 0.05 \Omega/\text{sq}$
Resistance	$\leq 0.2 \Omega$	$\leq 0.2 \Omega$
180° Peel Adhesion	$> 1.76 \text{ lb/in (0.8 kg/in)}$	$> 1.76 \text{ lb/in (0.8 kg/in)}$
Service Temperature	$-40^\circ\text{F to } 158^\circ\text{F (-40}^\circ\text{C to } 70^\circ\text{C)}$	$-40^\circ\text{F to } 158^\circ\text{F (-40}^\circ\text{C to } 70^\circ\text{C)}$
RoHS	Yes	Yes
Thickness	$0.0023 \pm .0004 \text{ inch}$ $(0.06 \pm .01 \text{ mm})$	$0.0023 \pm .0004 \text{ inch}$ $(0.06 \pm .01 \text{ mm})$
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  $73^\circ\text{F} \pm 9^\circ\text{F}$  ( $23^\circ\text{C} \pm 5^\circ\text{C}$ ) and 60%-70% relative humidity. Avoid exposure to sunlight.

#### Adhesive:

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



#### Applications

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

#### Benefits

- Double sided conductivity
- Economical