

# Copper Foil Tape Specification

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

