



Innovative Technology
for a Connected World

DT06B Double-Sided Nickel/Copper Fabric Tape

NI/CU DOUBLE-SIDED CONDUCTIVE FABRIC TAPE

Laird Technologies' DT06B double-sided conductive fabric tape is constructed of 1.4 mil (0.035 mm) nickel/copper metallized fabric with conductive pressure sensitive adhesives (PSA) on both sides. This reliable tape provides XYZ-axis electrical conductivity and EMI shielding performance.

DT06B is RoHS compliant and halogen free. It's good for EMI/RFI shielding to electronic devices.

FEATURES

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Shielding effectiveness of >70 dB across a wide spectrum of frequencies

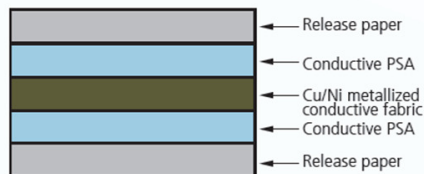
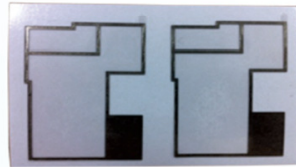
MARKETS

- Cabinet applications
- LCD and Plasma TV
- Medical equipment
- Servers
- Printers
- Laptop computers

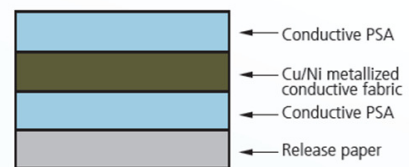


COMPOSITION OF PRODUCT

Die Cut



Roll Form



global solutions: local support™

USA: +1.866.928.8181
Europe: +49.0.8031.2460.0
Asia: +86.755.2714.1166

www.lairdtech.com



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Item	Unit	Typical Value	Test Method
Thickness	mm	0.063± 0.01	-
Peel Adhesion	Kgf / 25 mm	1.0	PSTC 101*
Shear Adhesion at R.T.	Hrs	>24	PSTC 107*
Tensile Strength	Kgf / 25 mm	8.3	
Operation Temperature	°C	0-80	-
Z-axial Resistance	Ω	<0.06	-
Thermal Resistance at 50°C/10 psi	°C-in ² /W	0.7 typical	ASTM D5470
Far-field Shielding ⁺			IEEE-299 (modified)
30 MHz to 300 MHz	dB	74	
300 MHz to 3 GHz	dB	75	
3 GHz to 18 GHz	dB	72	
Package Dimensions (Max. Width: 1000 mm)	M	W: Dimension by Customer Spec L: Standard Length of 20 M	
Shelf Life (Under 23°C/65% R.H.)		One Year	

*:Test Method C, Dwell Time 60 Minutes #:Contact area 25 mm by 25 mm +: Typical Value

APPLICATION TECHNIQUES

1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength.
2. To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. A typical surface cleaning solvent is isopropyl alcohol. Use proper safety precautions for handling solvents.
3. Ideal tape application temperature range is 21°C to 38°C. Initial tape application to surfaces at temperatures below 10°C is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

EMI-DS-FOF-DT06B 1216

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