

DT17A Double-Sided Nickel/Copper Fabric Tape

NI/CU DOUBLE-SIDED CONDUCTIVE FABRIC TAPE

Laird Technologies' DT17A double-sided conductive fabric tape is constructed of nickel/copper metallized fabric with conductive pressure sensitive adhesives (PSA) on both sides. This reliable tape provides XYZ-axis electrical conductivity, EMI shielding performance, a well-balanced design in adhesion, flame retardant, and thermal conductivity.

DT17A 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

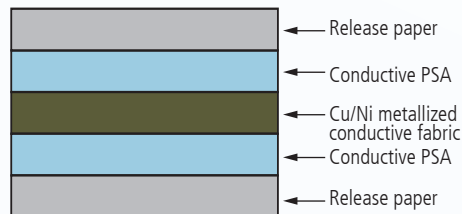
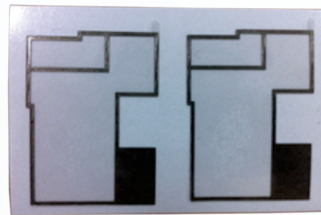
MARKETS

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

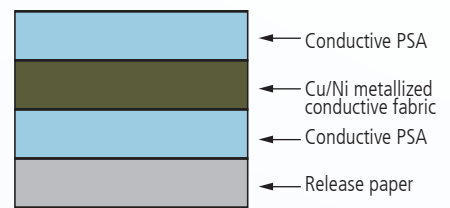


COMPOSITION OF PRODUCT

Die Cut



Roll Form



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

DT17A Double-Sided Nickel/Copper Fabric Tape

Item	Unit	Value	Test Method
Thickness	mm	0.17 ± 0.02	-
Peel Adhesion	Kgf / 25 mm	>1.4	PSTC 101*
Shear Adhesion			
	at R.T.	Hrs	>168 PSTC 107#
	at 80°C	Hrs	>5 PSTC 107#
Tensile Strength	Kgf / 25 mm	>15	
Operation Temperature	°C	0-80	-
Flammability	-	Pass	UL510-FR method^
Z-axial Resistance	Ω	<0.08	-
Thermal Resistance at 50°C/10 psi	°C-in ² /W	0.9 typical	ASTM D5470
Far-field Shielding*			IEEE-299 (modified)
	30 MHz to 300 MHz	dB	76
	300 MHz to 3 GHz	dB	89
	3 GHz to 18 GHz	dB	87
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 30 min. #:Contact area 25 mm by 25 mm ^:Internal Test +: Typical Value

APPLICATION TECHNIQUES

- Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength.
- 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.
- 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-DT17A 0414

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