

Technical Data

Issue 2 / July 2006

AT528 50 Micron Copper Foil Shielding Tape

General description

50 micron copper foil coated with an electrically conductive acrylic adhesive supplied on a removable silicone liner.

- Conductive acrylic adhesive
- Good high and low temperature resistance
- Can be easily soldered
- Easy unwind

Specification

- Tested in accordance with ASTM D-1000 latest issue, BS EN 60454 - Part 2 test methods (Formerly VDE 0340, BS 3924.)
- Tested and meets military specification MIL - T - 47012
- Construction is tested in-house and conforms to the Flame retardant requirement part only of UL510

Technical Details

| Technical details | BS value | ASTM value |
|-------------------------------|--|--------------|
| Typical values | | |
| Foil thickness: | 0.050mm | 2.0 mil |
| Adhesive thickness: | 0.025mm | 1.0 mil |
| Total thickness: | 0.075mm | 3.0 mil |
| Adhesion to steel: | 4.5 N/cm | 41 oz/inch |
| Tensile strength: | 85 N/cm | 48 lbs/inch |
| Temperature Resistance: | -20°C to +155°C | Up to +311°F |
| Recommended curing cycle: | 1 hour at 150°C or 2 hours at 130°C | |
| Electrical resistance through | | |
| Adhesive*: | 0.003 ohms | |
| RoHS compliant | Yes | |
| Storage Temperature | +12°C to +25°C | |

* Tested according to MIL STD 202G MIL STD 202F method 307 across surface area of 1 sq. inch.



NOTE

Except where indicated otherwise, the figures stated are average values and should not be regarded as MAXIMUM or MINIMUM values for specification purposes. The Company reserves the right to improve products and any change in specification will result in a re-issue of the relevant 'Technical Data Sheet'. Customers should satisfy themselves that the tape is suitable for their requirements whether after such modifications or otherwise. Please check that you have the latest issue of the 'Technical Data Sheet'. All slitting and length tolerances are to British Standards. Before use the customer is advised to consult the Health & Safety Data Sheet produced by the company for this product, which is available on request.

STORAGE

Tapes stored below the minimum recommended temperature will require warming up to that level before use. Up to 24 hours may be required for this to take place.

 **ADVANCE**
adhesive tapes



INVESTOR IN PEOPLE

Advance Tapes International Limited, PO Box 122,
Abbey Meadows, Leicester, LE4 5RA.

Tel: 0116 251 0191. Fax: 0116 265 2046. www.advancetapes.com

AFERA

Association des Fabricants Européens de
Rubans Auto-Adhésifs.