



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Tape AU-2190

Conductive Gold Fabric

Data Sheet

Product Description

3M™ Conductive Gold Fabric Tape AU-2190 consists of:

- Gold-coated conductive fabric
- Conductive acrylic adhesive
- Supplied on a removable liner for easy handling and die cutting

3M Conductive Gold Fabric Tape AU-2190 is available in standard and custom widths and lengths.

- Widths from 6mm to 700mm
- Standard length is 50M.
- Longer lengths up to several times normal length, dependent upon width. Check with a 3M sales representative.

Applications

3M Conductive Gold Fabric Tape AU-2190 is typically used for applications requiring excellent electrical conductivity from the application substrate through the adhesive to the conductive fabric backing. Common uses include grounding and EMI shielding in equipment, components, shielded rooms, etc.

Shielding Effectiveness

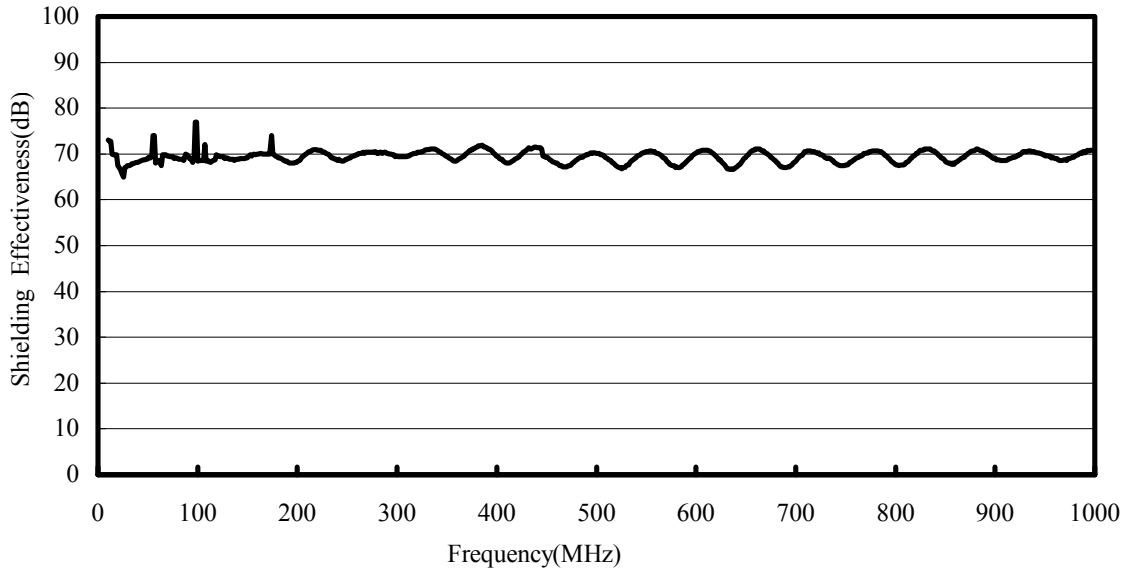
Many factors determine the shielding effectiveness of a conductive adhesive tape, including type and thickness of the conductive layers, adhesive strength, degree of contact, smoothness of application surface, frequency, etc. For 3M Conductive Gold Fabric Tape AU-2190, typical shielding effectiveness is in the range of 65dB to 75dB, using a standard test method.

Typical Values

Properties	Typical Value
Type of Backing	Gold-coated conductive fabric
Type of Adhesive	Conductive acrylic adhesive
Total thickness (backing plus adhesive)	0.11 mm
Breaking strength ¹	18 kg _f /25 mm (40 lb/in)
Adhesion strength ¹	900 g _f /25 mm (31 oz/in)
Electrical resistance through adhesive ²	0.005 Ω
Shielding effectiveness ³	Refer to Attenuation Chart

- Footnotes:
1. ASTM-D-1000 Test Method
 2. MIL-STD-202 Method 307 maintained at 5 psi (3,4 N/cm²) measured over 1 in² surface area. Conductive particles in the adhesive provide the electrical path between the application substrate and the conductive backing.
 3. ASTM-D-4935 Test Method.

Shielding Effectiveness



3M is a trademark of 3M Company.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

3M

Electrical Markets Division

6801 River Place Blvd.

Austin, TX 78726-9000

www.3M.com/electrical/oem

Litho in USA

© 3M 2004 78-8126-6592-1-A