



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!



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# Tape AL-37BLK

## Black Polyester Film (Matte Finish) Laminated Aluminum Foil with Conductive Acrylic Adhesive

### Data Sheet



#### Product Description

3M™ Tape AL-37BLK consists of black polyester film (matte finish) laminated soft aluminum foil backing and a unique electrically conductive pressure-sensitive acrylic adhesive.

- Soft aluminum foil backing
- Conductive acrylic adhesive
- Polyester laminate provides electrical insulation
- Black color backing
- Supplied on a removable liner for easy handling and die cutting
- UL recognized for flame retardancy per UL 510, Product category OANZ2, File 59505.

Please consult with sales representative about custom width and length. Standard length is 20M.

#### Applications

3M Tape AL-37BLK is typically used for applications requiring excellent electrical conductivity from the application substrate through the adhesive to the foil backing. Common uses include grounding and EMI shielding in equipment, components, shielded rooms, etc.

#### Shielding Effectiveness

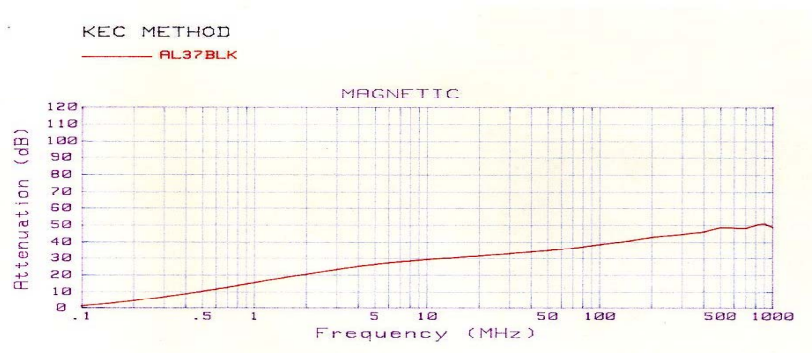
Shielding effectiveness depends on conductivity, permeability, thickness of metalization, adhesive strength, degree of contact, smoothness of application surface, strength and frequency of EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a value for the attenuation. (See chart below.)

#### Typical Properties

| Properties   | Typical Value             |
|--|---------------------------|
| Backing thickness <sup>1</sup>                       | 1.7 mil (0.042 mm)        |
| Total thickness (backing plus adhesive) <sup>1</sup> | 2.8 mil (0.07 mm)         |
| Adhesion to steel <sup>1</sup>                       | 3.4 N/cm                  |
| Electrical resistance through adhesive <sup>2</sup>  | 0.05 Ω/25 mm <sup>2</sup> |

Foot notes: 1. ASTM-D-1000 Test method  
2. 3M Test method 1

## Shielding Effectiveness (Magnetic Field KEC Method)



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### 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.

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