

3M™ 1115B

Aluminum Foil Tape with Conductive Acrylic Adhesive

Data Sheet

September 2009

Description	<p>3M™ Shielding Tape 1115 consists of a 4.5mil aluminum foil backing and a unique electrically conductive pressure sensitive adhesive.</p> <ul style="list-style-type: none">• 4.5 mil aluminum foil backing• Conductive acrylic adhesive• Supplied on a removable liner• Easily die cut into complex shapes• Available in standard and custom widths and lengths up to 60yds (54.86m)
--------------------	---

Agency Approvals & Self Certifications

RoHS 2002/95/EC



RoHS Compliant 2002/95/EC means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2002/618/EC, unless the substance is in an application that is exempt under RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Applications	<p>3M™ 1115 Shielding Tape is typically used for applications requiring excellent electrical conductivity from the application substrate through the adhesive to the foil backing. The 4.5mil thickness provides exceptional EMI shielding effectiveness and exceptional structural support properties. The low electrical resistance makes 1115 Shielding Tape an excellent choice for grounding applications.</p>
---------------------	---

Shielding Effectiveness	<p>Many factors determine the true shielding effectiveness of a shielding tape including, but not limited to, type and thickness of foil, adhesive type, intimacy of contact and smoothness of application surface. Theoretical shielding effectiveness is listed below.</p>
--------------------------------	--

Typical Properties	<p>Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (~23°C) unless otherwise stated.</p>
---------------------------	---

Physical

Property (Test Method)	Typical Value
Product Number	1115
Adhesive	Conductive acrylic pressure sensitive adhesive (PSA)
Backing thickness	4.5mil (0.114mm)
Total Thickness	6.0 mil (0.152 mm)
Shielding Effectiveness (Theoretical)	>120 dB above 1 MHz
Electrical resistance through adhesive ¹	6.50 mΩ/□
Adhesion to steel	52 oz/in (5.6 N/10mm)
Breaking Strength	40 lb/in (70.1 N/10mm)
Temperature range	-40° to 130° C

Notes: 1. Test method: MIL-STD-202 Method 307 maintained at 5 psi (3,4 N/cm²) measured over 1 in² surface area. Silver coated glass beads in the adhesive provide the electrical path between the application substrate and the foil backing
2. Attenuation is measured by 7mm coaxial verification kit under short fixed condition. Power loss is

3M™ 1115 Shielding Tape with Conductive adhesive

Shelf Life & Storage	This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).
Availability	Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.
Important Notice	All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. 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. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.
Warranty; Limited Remedy; Limited Liability	This product will be free from defects in material and manufacture at the time 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

3M is a trademark of 3M Company.



Electrical Markets Division

6801 River Place Boulevard
Austin, TX 78726-9000
800-245-3573 / 651-737-7222 (24 hours)

Please recycle
© 3M 2009 All rights reserved
78-8127-8758-4 A



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.