

EMC Instrumentation from 3M

Today, as virtually every country applies EMC (electromagnetic compliance) requirements to electronics equipment, it is clear that EMC is an important part of the design process. Often, manufacturers focus on electromagnetic compliance only after the completion of a prototype. Manufacturers can save time and money by avoiding delays and expenses associated with non-compliance by integrating EMC into the design cycle, rather than at the final step prior to manufacturing.

3M offers a complete solution to provide practical, compact and easy-to-use instrumentation to help you meet current worldwide EMC requirements.



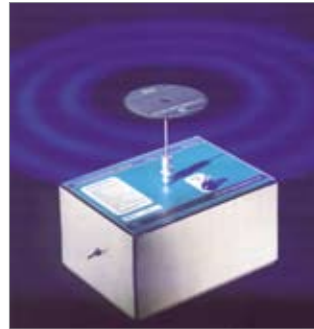
EMC Antennae (20 Hz - 40 GHz)

- Unique miniature active broadband dipole antenna
- Passive antennae for radiated emission and immunity
- Isotropic probes
- E-field meters
- EMI sensors



EMC Test Systems (DC – 3 GHz)

- Radiated and conducted emission system
- Radiated and conducted immunity system
- Harmonic and flickering analyzation system
- ESD testing system
- Magnetic field testing system
- Audio and video monitoring system



Noise and Comb Generators (9 kHz to 40 GHz)

- Emission reference sources
- Comb Generators
- Noise Generators



Test Cells

- LaplaCells300 and LaplaCell600 up to 3 GHz
- Open TEM Cells up to 3 GHz
- Close TEM Cells up to 3 GHz
- Strip Line
- GTEM Cells up to 20 GHz
- Absorbing materials for chambers



Instrumentation

- Spectrum analyzers up to 3 GHz
- LISNs up to 1,000 Amp
- RF power amplifiers up to 6 GHz
- Harmonic and flicker analyzer
- CDNs
- RF signal generators up to 3 GHz



Diagnostic Tools (150 kHz – 2 GHz)

- Self-contained near-field probes
- EMC training kit

3M is a North American authorized distributor for:



More EMC Protection than Ever

3M serves original equipment manufacturers with OEM tapes, EMC and EMI-shielding products, antistatic masking tapes, heat shrink tubing and devices, liquid resins and adhesive transfers. Whether you are insulating wire harnesses, shielding against electromagnetic interference, protecting PCBs and electronic devices, or insulating electrical components, 3M has the solution for you.



3M™ EMI Shielding Foil Tapes

- Shields components from electromagnetic and radio frequency interference
- Used for grounding, bonding and prototyping and troubleshooting
- Aluminum or copper backings; flat or embossed; conductive or nonconductive adhesives



3M™ Electrically Conductive Acrylic Pads (eCAP), 7830N Series

- Coated on one side with an acrylic adhesive that contains aligned conductive filler
- Good shock absorption and damping performance.
- Variety of thicknesses for gasket applications in 0.1 to 0.45 mm gap in components and devices



3M™ EMI Absorbers AB-5000 Series

- Suppresses radiated noise in broadband radio frequency range
- Backing with flexible, soft metal-flake filler in polymer resin
- Acrylic adhesive system on removable liner



3M™ Fabric Tape CN-3190

- Corrosion-resistant polyester rip-stop fabric backing is plated with nickel on copper
- Coated with an electrically conductive acrylic adhesive on removable liner
- Excellent flexibility and conformability

3M is a trademark of 3M Company.

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 for a period of one (1) year from 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.**



Electronic Solutions Division Static Control Products

6801 River Place Blvd.
Austin, TX 78726-9000
831-459-7488
www.3m.com/static

Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800 676 8381
www.3m.com/oem

Please recycle. Printed in U.S.A.
© 3M 2008. All rights reserved.
98-0799-0799-8