



**3G SHIELDING**  
SPECIALTIES



## EMI SHIELDING GASKETS

3G Shielding Specialties offers a comprehensive line of Conductive EMI Shielding Gaskets to provide Electronic Enclosure designers with solutions to both their EMI Shielding and Environmental Sealing applications. Our waveseal product line consist of Conductive Elastomers, Fabric over Foam, Conductive Foam, Wire Oriented Silicone, and Combination Mesh materials. Each are formulated to provide excellent Shielding performance and where appropriate, superior environmental sealing in the most rigorous environments. There are several standard product profiles and materials to select from plus we routinely develop custom solutions for our customers while maintaining excellent value.



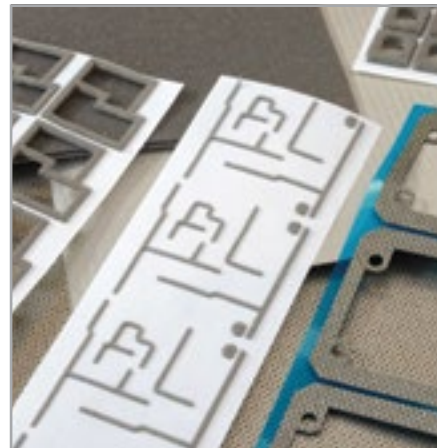
## BOARD LEVEL SHIELDS

3G Shielding Specialties specializes in the design and manufacture of standard and customized board level shielding products. Our comprehensive selection of one-piece, two-piece and multi-zone shields are available in both surface mount and through-hole configurations. With 3G's unlimited design flexibility, material options, and utilization of our standard product features, our engineers work closely with our customers to create a specific board level shield solution to solve even the most complex applications in the most cost effective manner possible.



## RF / MICROWAVE ABSORBERS

Wavexorb advanced performance microwave absorbers from 3G Shielding Specialties provide RF Engineers with a means to reduce undesirable radiation that could interfere with electronic system operation. Available in both Narrowband and Broadband formulations wavexorb absorbers are constructed using either a silicone or foam matrix combined with a specific proportion of filler materials which provide the specified absorption characteristics. Typically provided in sheet form with or without pressure sensitive adhesive (PSA) 3G Shielding Specialties also fabricates wavexorb products into application specific gaskets.



### CONDUCTIVE FABRIC GASKETS

- Standard and custom profiles
- XYZ conductive foam
- Low compression force
- Excellent shielding performance
- UL 94Vo flammability options



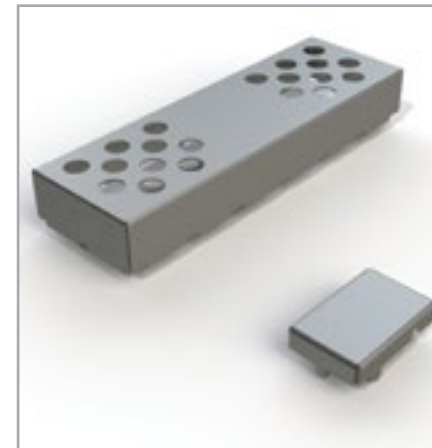
### WIRE MESH / RUBBER COMBINATION

- Variety of material combinations
- Available with easy installation PSA
- Environmental sealing and shielding
- Broad temperature range
- Cost effective options



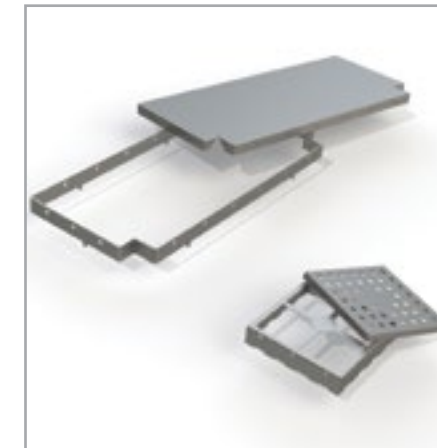
### CONDUCTIVE ELASTOMER GASKETS

- Standard and custom configurations
- MIL-DTL-83528 materials available
- Excellent shielding and sealing
- Flat gaskets, profiles and molded shapes
- UL 94Vo flammability options



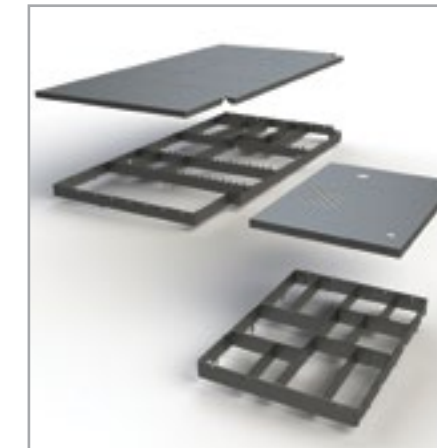
### STANDARD ONE-PIECE SHIELDS QUBE

- Rigid shield design
- Secured corner features
- Variety of pin styles and sizes
- Ventilation and access holes
- Most cost effective shield



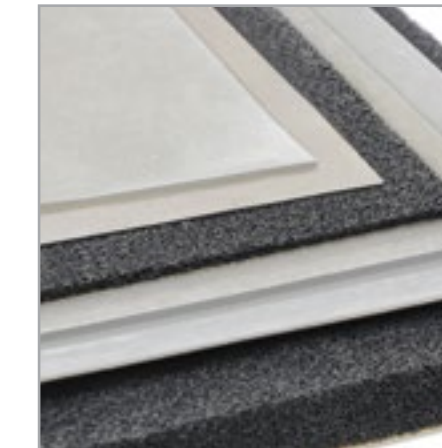
### STANDARD TWO-PIECE SHIELDS FLEX AND SWIPE

- Superior frame and cover design
- Surface mount and through-hole
- Excellent cover retention
- Welded frames improve shielding
- Tape and reel or tray packaging



### CUSTOM MULTI-ZONE SHIELDS MULTIZONE AND HYBRID

- Fully welded frame construction
- Complete design flexibility
- Improved board space efficiency
- Excellent cavity isolation
- Replaces costly machined housings



### NARROWBAND ABSORBERS

- Tuned to specific target frequency
- Frequency range 1GHz – 65GHz
- Variety of standard formulations
- Custom tuned formulations available
- UL 94Vo Flammability



### BROADBAND ABSORBERS

- Wide frequency range materials
- Standard with easy install PSA
- Silicone and foam options
- Broad temperature range
- Cost effective choices



### TYPICAL APPLICATIONS

- Radio Transceivers
- Antennas, GPS, RFID Readers
- Radar, Avionics, Base Stations
- Wireless access points
- Test Equipment

# C O M P A N Y   P R O F I L E



3G Shielding Specialties designs and manufactures Standard and Custom EMI Shielding products for electronic devices of all kinds. We are an Engineering oriented enterprise focused on serving a global clientele with application specific solutions from prototype to high volume production.

Based in Tampa, Florida we ship millions of shielding components per year. Each part is fabricated to a specification, approved by our customers, designed for optimal performance, and produced to the highest standards possible.

Put 3G Shielding Specialties to work for you on your next project and discover for yourself why the world's most demanding customers choose 3G Shielding Specialties as their partner of choice for EMI Shielding Solutions.

- Applications Engineering Services
- Design Assistance / Solid Model Files
- Short Lead Times / Excellent Value
- Prototype to High Volume Production
- Broad Product Offering
- Stocking Programs / JIT Delivery



SHIELDING IS OUR SPECIALTY

3G Shielding Specialties LP  
8302 Laurel Fair Circle, Suite 100  
Tampa, FL 33610

[sales@3Gshielding.com](mailto:sales@3Gshielding.com)  
[www.3Gshielding.com](http://www.3Gshielding.com)  
844-808-3477