

# PDF Technical File

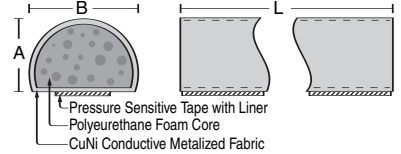
Visitors to this web site are authorized to download this information for reprints or electronic transfer to their technical reference files.



## D-shape RFI shielding gaskets

**WITH VERY HIGH BOND PRESSURE SENSITIVE ADHESIVE MOUNTING.** Three common sizes each with a CuNi metalized fabric outer surface. Universally functional for most applications – our most popular style, the D-shape, allows omni-directional compression loading from any angle. Adhesive mounting is quick and easy on any surface.

- Cross-sectional profile is scaled for optimum compression/contact resistance properties.
- Popular for groove mount or surface mount.
- Very high bond adhesive exhibits high adhesion properties in a small cross-sectional area – eliminating the need for larger space-consuming profiles such as P-shapes or mechanical clip-on types. Cures to full strength in 24 hours.



PART No.	Conductive Surface	Surface Resistivity	A		B		Length	
SG187250D-24	CuNi	0.005 - 0.010Ω/lin.in	.187	4,7	.250	6,4	24.0	610
SG187250D-48	CuNi	0.005 - 0.010Ω/lin.in	.187	4,7	.250	6,4	48.0	1220
SG250375D-24	CuNi	0.005 - 0.010Ω/lin.in	.250	6,4	.375	9,5	24.0	610
SG250375D-48	CuNi	0.005 - 0.010Ω/lin.in	.250	6,4	.375	9,5	48.0	1220
SG375500D-24	CuNi	0.005 - 0.010Ω/Lin.in	.375	9,5	.500	12,7	24.0	610
SG375500D-48	CuNi	0.005 - 0.010Ω/lin.in	.375	9,5	.500	12,7	48.0	1220

### Specifications:

Tolerances: height and width  $\pm .020'' < .100''$ ;  $\pm .030'' > .100''$

Foam Core: open-cell polyurethane foam

Metalized Fabric: nickel plate over copper substrate

Service Temperature: -40°F to 158°F (-40°C to +70°C)

Compression Set: 2.6% (ASTM D3574)

Compression Deflection Force: 1.47 p.s.i. (ASTM D3574)

Adhesive: Very High Bond acrylic pressure sensitive tape with liner; cures to full strength in 24 hours.

- Peel Adhesion: stainless steel (ASTM D3575)
  - 1 minute @ 5.5 p.s.i.
  - 30 minutes @ 6.5 p.s.i.
  - 24 hours @ 8.5 p.s.i.
- Shear, hours to fail: stainless steel
  - 300+ hours @ 1000 g/sq. in. @ 72°F (21°C)
- Temperature Range: 0°F to 200°F (-18°C to 90°C)

Chemical Resistance: resists water, detergent, alcohol, aliphatic and some aromatic hydrocarbons

Shielding Effectiveness: >100dB @ 1GHz

Flammability: UL94-V0

For further technical information, please contact us at:

**FerriShield<sup>®</sup>**, INC.  
Interference Control Components

Mulberry Professional Plaza • 426 Mulberry Street \* Suite 300 • Scranton, PA 18503  
Tel: 570.961.5617 • Fax: 570.969.6274 • e-mail: info@ferrishield.com

**www.ferrishield.com**

ISO 9001:2000 registered