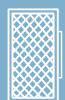


# ULTRASOFT® KNIT GASKETS



Laird Technologies UltraSoft® Knit EMI gasket material consists of a metalized nylon yarn knit over a flame retardant UL 94 HF-1 low density foam polyester core material. The close-knit stitch of the metalized nylon provides a highly effective EMI shield, as well as a smooth, soft surface that will not abrade plated plastic interfaces.

- UL 94 HF-1 approved core
- Excellent shielding effectiveness averaging 110 dB @ 10 KHz to 1 GHz
- Self-terminating ends
- 95% coverage of core material provides a smooth appearance and surface resistivity
- Low closure force of 8 lbs per foot (11.93 kg per meter) @ 30% deflection
- Available in silver plated nylon yarn to meet your galvanic compatibility needs
- Other finishes available upon request

## PRODUCT SPECIFICATIONS

### Materials

- EMI Shield: Silver plated nylon (material code 62)
- Foam Core: Low density UL 94 HF-1 approved polyester
- Pressure Sensitive Adhesive: Acrylic

### Performance Characteristics

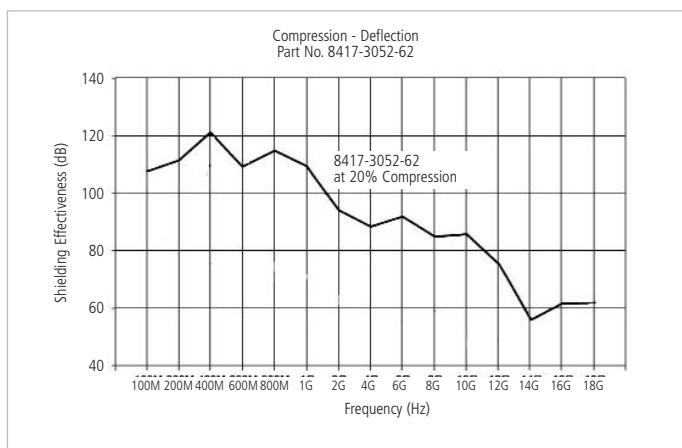
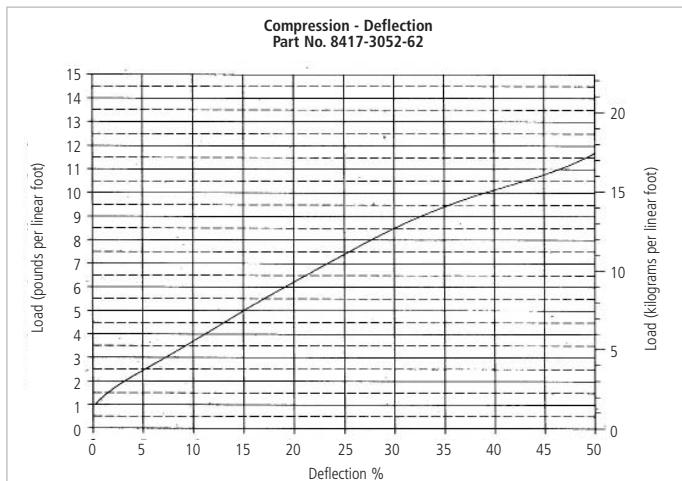
- Surface Resistivity: Silver plate 0.051 ohm/square inch @ 20% deflection
- Compression Set: 10% @ 50% deflection
- Temperature Range: Intermittent: -40°F to 225°F (-40°C to 107°C)

### How to Order

1. Determine the size from Table 1 on page 30.
2. All sizes are supplied in standard 7-foot lengths (2.1 m). Other lengths available upon request.
3. Custom gasket assemblies: All sizes are offered cut to a specific length, ready for installation as shown in Figure 2, or as a bonded assembly as shown in Figure 3. Submit dimensions and quantity requirements to our sales department for price and delivery.



Patent No. 6,219,906





## ULTRASOFT® KNIT GASKETS

FIGURE 1. ULTRASOFT KNIT RECTANGLE

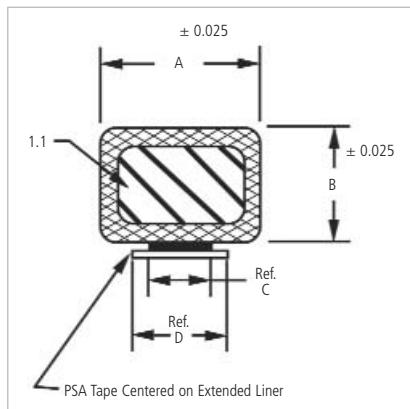


FIGURE 2. CUT-TO-LENGTH

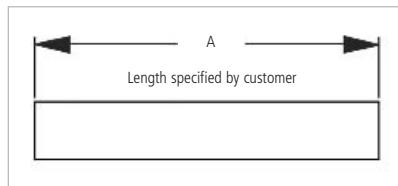
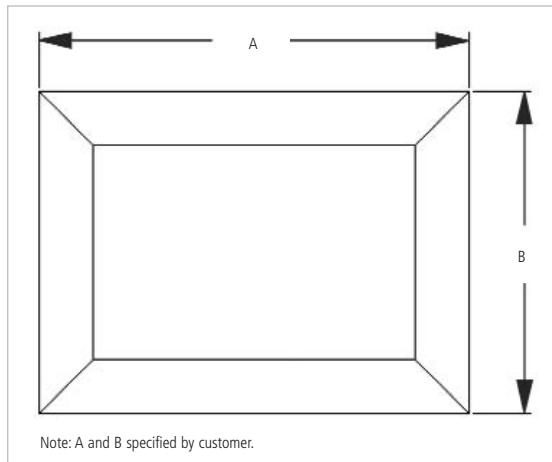


TABLE 1. ULTRASOFT KNIT GASKETS

| Laird Technologies Part No. | A            | B            | C            | D            |
|-----------------------------|--------------|--------------|--------------|--------------|
| 8417-3073-62                | 0.125 (3.2)  | 0.050 (1.3)  | 0.075 (1.9)  | 0.261 (6.6)  |
| 8417-3063-62                | 0.125 (3.2)  | 0.060 (1.5)  | 0.075 (1.9)  | 0.261 (6.6)  |
| 8417-3050-62                | 0.125 (3.2)  | 0.125 (3.2)  | 0.075 (1.9)  | 0.261 (6.6)  |
| 8417-3064-62                | 0.150 (3.8)  | 0.150 (3.8)  | 0.075 (1.9)  | 0.261 (6.6)  |
| 8417-3072-62                | 0.187 (4.7)  | 0.125 (3.2)  | 0.093 (2.4)  | 0.279 (7.1)  |
| 8417-3051-62                | 0.187 (4.7)  | 0.187 (4.7)  | 0.093 (2.4)  | 0.279 (7.1)  |
| 8417-3060-62                | 0.250 (6.4)  | 0.080 (2.0)  | 0.110 (2.8)  | 0.296 (7.5)  |
| 8417-3052-62                | 0.250 (6.4)  | 0.125 (3.2)  | 0.110 (2.8)  | 0.296 (7.5)  |
| 8417-3078-62                | 0.250 (6.4)  | 0.202 (5.1)  | 0.110 (2.8)  | 0.296 (7.5)  |
| 8417-3053-62                | 0.250 (6.4)  | 0.250 (6.4)  | 0.125 (3.2)  | 0.311 (7.9)  |
| 8417-3065-62                | 0.276 (7.0)  | 0.150 (3.8)  | 0.110 (2.8)  | 0.296 (7.5)  |
| 8417-3059-62                | 0.313 (8.0)  | 0.313 (8.0)  | 0.150 (3.8)  | 0.336 (8.5)  |
| 8417-3054-62                | 0.375 (9.5)  | 0.125 (3.2)  | 0.150 (3.8)  | 0.336 (8.5)  |
| 8417-3055-62                | 0.375 (9.5)  | 0.187 (4.7)  | 0.150 (3.8)  | 0.336 (8.5)  |
| 8417-3062-62                | 0.375 (9.5)  | 0.250 (6.4)  | 0.150 (3.8)  | 0.336 (8.5)  |
| 8417-3068-62                | 0.375 (9.5)  | 0.375 (9.5)  | 0.150 (3.8)  | 0.336 (8.5)  |
| 8417-3056-62                | 0.500 (12.7) | 0.125 (3.2)  | 0.200 (5.1)  | 0.386 (9.8)  |
| 8417-3057-62                | 0.500 (12.7) | 0.250 (6.4)  | 0.200 (5.1)  | 0.386 (9.8)  |
| 8417-3067-62                | 0.500 (12.7) | 0.500 (12.7) | 0.200 (5.1)  | 0.386 (9.8)  |
| 8417-3066-62                | 0.827 (21.0) | 0.150 (3.8)  | 0.400 (10.2) | 0.586 (14.9) |
| 8417-3058-62                | 1.000 (25.4) | 1.000 (25.4) | 0.400 (10.2) | 0.586 (14.9) |

FIGURE 3. BONDED ASSEMBLY



All dimensions shown are in inches (millimeters) unless otherwise specified.