

# Features and Benefits

**ANTRONIX®**

## 1 GHz In-line Attenuators GAF3000 Series

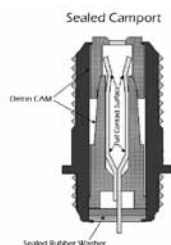
Antronix's unique in-line attenuators feature our patented auto-seizing CamPort® for the most reliable cable connection available today. The brass CamPort® provides intermittent free transmission path essential for advanced multimedia applications. The GAF3000 Series features excellent return loss across the entire bandwidth. Mechanically, the GAF3000 Series uses a solid screw machine brass housing with nickel plating to provide a robust package. The attenuators are designed to accept RG-6 and RG-59 cables.



## Specifications

| Electrical    |                 |                               |     |     |     |     |      |      |      |      |
|---------------|-----------------|-------------------------------|-----|-----|-----|-----|------|------|------|------|
| Model GAF30xx |                 |                               | 01  | 02  | 03  | 06  | 10   | 12   | 16   | 20   |
| Attenuation   |                 |                               |     |     |     |     |      |      |      |      |
|               | Frequency (MHz) | Tolerance (dB)                | Typ | Typ | Typ | Typ | Typ  | Typ  | Typ  | Typ  |
| Maximum (dB)  | 5-50            | ±0.5                          | 1.0 | 2.0 | 3.0 | 6.0 | 10.0 | 12.0 | 16.0 | 20.0 |
|               | 50-450          | ±0.5                          | 1.0 | 2.0 | 3.0 | 6.0 | 10.0 | 12.0 | 16.0 | 20.0 |
|               | 450-750         | ±0.5                          | 1.0 | 2.0 | 3.0 | 6.0 | 10.0 | 12.0 | 16.0 | 20.0 |
|               | 750-1002        | ±0.8 (≤6 dB)<br>±1.0 (≥10 dB) | 1.0 | 2.0 | 3.0 | 6.0 | 10.0 | 12.0 | 16.0 | 20.0 |
| Return Loss   |                 |                               |     |     |     |     |      |      |      |      |
| Minimum (dB)  | 5-50            |                               | 25  | 25  | 25  | 25  | 25   | 25   | 25   | 25   |
|               | 50-450          |                               | 22  | 22  | 22  | 22  | 22   | 22   | 22   | 22   |
|               | 450-750         |                               | 20  | 20  | 20  | 20  | 20   | 20   | 20   | 20   |
|               | 750-1002        |                               | 20  | 20  | 20  | 20  | 20   | 20   | 20   | 20   |

| General               |   |
|-----------------------|---|
| Nominal Impedance     | 75 Ω  |
| Hex Nut Size          | 7/16"   |
| F-Connector Type      | ANSI/SCTE 01 (formerly SCTE IPS-SP-400) Compliant Sealed Brass CamPort® |
| Environmental         |   |
| Pressure Seal         | 15 psi  |
| Operating Temperature | -40 °C to +60 °C  |



Specifications subject to change without notice