

## GAF3000 Series 1 GHz In-line Attenuators



### Overview

Antronix's unique in-line attenuators feature our patented auto-seizing CamPort<sup>®</sup> for the most reliable cable connection available today. The brass CamPort<sup>®</sup> 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.

### Electrical Specifications

Model	GAF30xx		01	02	03	06	10	12	16	20
<b>Attenuation</b>										
	Freq (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
	750-1000	± 0.8 (≤ 6 dB) ± 1.0 (≥ 10 dB)	1.0	2.0	3.0	6.0	10.0	12.0	16.0	20.0
<b>Return Loss</b>										
	Freq (MHz)		Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.
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
	750-1000		20	20	20	20	20	20	20	20

### General Specifications

**Nominal Impedance** 75 Ω  
**F-connector Type** ANSI/SCTE 01 (formerly SCTE IPS-SP-400) Compliant Sealed Brass CamPort<sup>®</sup>

### Environmental Specifications

**Pressure Seal** 10 psi  
**Operating Temperature** -40 °C to +60 °C

Specifications subject to change without notice