

# Features and Benefits

**ANTRONIX®**

## In-line Return Path Attenuator GRPA-42-XX Series

Antronix's unique in-line attenuators offer excellent RF characteristics and Eclipse Contact Technology F-ports with optimal contact surface area for improved reliability. The GRPA-42-XX series of in-line return path attenuators add step attenuation in the return path without affecting the forward path. The devices allow cable modems to operate at a higher output level, increasing signal to noise/ingress ratio. Its small size allows for installation into tight spaces and the solid screw machine brass housing and nickel plating provide a robust mechanical package. The attenuators are available with attenuation values of 3, 6, 9, 12, and 20 dB, and are designed to accept RG-6 and RG-59 cables.



## Specifications

### Electrical

Model GRPA-42-XX	03		06		09		12		20		
	Freq.	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
<b>Attenuation</b> (dB)	5-30	3.0 ± 1.0	3.0 ± 0.8	6.0 ± 1.0	6.0 ± 0.8	9.0 ± 1.0	9.0 ± 0.8	12.0 ± 1.0	12.0 ± 0.8	20.0 ± 1.0	20.0 ± 0.8
	30-42	3.0 ± 1.2	3.0 ± 1.0	6.0 ± 1.2	6.0 ± 1.0	9.0 ± 1.2	9.0 ± 1.0	12.0 ± 1.2	12.0 ± 1.0	20.0 ± 1.5	20.0 ± 1.2
<b>In-Line Loss</b> (dB max)	54-85	1.5	1.3	1.5	1.3	1.5	1.3	1.8	1.3	2.0	1.7
	85-550	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3
	550-750	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3
	750-1002	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3
	1002-1218	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3
<b>RFI</b> (dB)	5-1218	120									

### General

Impedance	75 Ω
Water Proof	15 psi
Surge	6kV Ring Wave Surge, IEEE C62.41 Cat A3
Dimensions	1.61" length, 0.5" diameter

Specifications subject to change without notice