



XXATTENDCB

Technical Product Data

Features

- **A Range of Constant Attenuation Values Available**
1dB ≥ ATTEN ≥ 30dB
- **Small Form Factor**
2.5 (not including connectors) x 0.75 x 0.875 in.
- **Can Pass or Block DC Antenna Voltage**

Description

The XXATTENDCB GPS RF Attenuator is a one input, one output device with a constant attenuation any where in the range from 1dB to 30dB, as specified by the customer. The device is available in a miniaturized housing. The frequency response covers the GPS L1 & L2 bands with excellent flatness. In the normal configuration, the RF output (J1) passes DC from the connected GPS receiver through the attenuator to the antenna, allowing the GPS receiver to power the antenna through the attenuator.

Electrical Specifications, T_A = 25⁰C

Parameter	Conditions	Min	Typ	Max	Units
Freq. Range	Ant – J1	1.1		1.7	GHz
In/Out Imped.	Ant, J1		50		Ω
Attenuation	Ant – J1, Specified by the Customer	1		30	dB
Input SWR	J1 - 50Ω			1.8:1	-
Output SWR	Ant - 50Ω			1.8:1	-
Gain Flatness	L1 – L2 ; Ant – J1		0.5		dB
Group delay Flatness	τ _{d,max} - τ _{d,min} : Ant – J1			1	ns

