



XXATTENDCB

Technical Product Data

Features

- **A Range of Fixed Attenuation Values Available**
1dB \geq ATTEN \leq 20dB
- **Small Form Factor**
2.5 (not including connectors) x 0.75 x 0.875 in.
- **Block DC Antenna Voltage**

Description

The XXATTENDCB GPS RF Attenuator is a one input, one output device with a constant attenuation anywhere in the range from 1dB to 20dB, as specified by the customer. The device is available in a miniaturized housing. The frequency response covers the GPS L1/L2 and GLONASS bands with excellent flatness. In the DC Blocked configuration, the RF output (J1) blocks DC from the connected GPS receiver through the attenuator to the antenna.

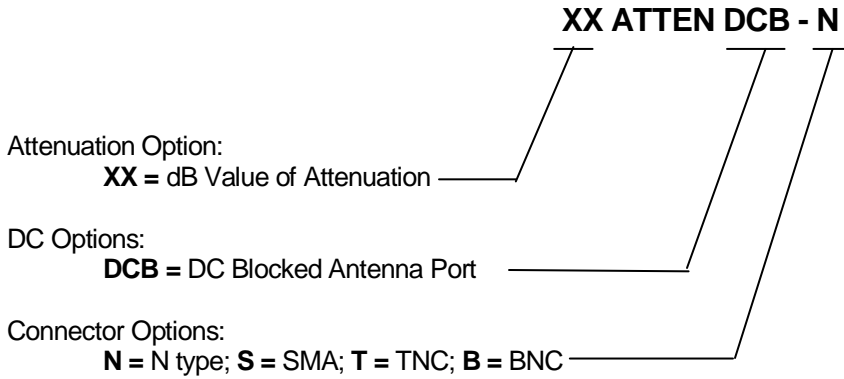
Electrical Specifications, T_A = 25⁰C

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		20	dB
Input SWR	J1 - 50 Ω			1.8:1	-
Output SWR	Ant - 50 Ω			1.8:1	-
Gain Flatness	L1 – L2 ; Ant – J1		0.5		dB
Group delay Flatness	$\tau_{d,max} - \tau_{d,min}$: Ant – J1			1	ns

Available Options

Attenuation Options	
Customer Specified Attenuation	1.0dB \geq Atten. \leq 20.0 dB (1dB Increments)
Pass/Block DC Options	
Block DC	Block DC Input (Antenna), Pass DC J1
RF Connector Options	
Connector Options	CONNECTOR STYLE
	Type N
	Type TNC
	Type BNC
	Type SMA

Part Number



Mechanical

Dimensions: Height: 0.875"

Length (not including connectors) Body: 2.5"

Width: 0.75" (+0.438" including mounting tabs)

Weight: 3.13 oz. (88.7 grams)

Operating Temp. Range: -40° to + 75°C