313L-XX-50 Series

CBRS / C-Band / LTE-LAA 50 Watt Low-PIM In-Line Attenuators

-161dBc PIM, 600-6000MHz, IP67

313L-XX-50 Series of In-Line Low-PIM Fixed Attenuators are designed for 50W applications from *600MHz - 6000MHz*. It covers all Cellular frequencies, including the DoD / CBRS / C-Band / LTE-LAA bands. These attenuators are guaranteed for Low-PIM performance in the entire frequency range. These units are rugged in their construction and can handle harsh environmental conditions. They are perfect for indoor and outdoor applications. Standard values include are listed in the specifications below. ***Custom attenuation values can also be manufactured on request***.

FEATURES:

- ***DoD / CBRS / C-Band / LTE-LAA*** Ready
- Fixed In-Line Attenuator with a high degree of accuracy
- Small Form-Factor and Light Weight
- Flat response from 600MHz - 6000MHz
- Conventional Male(IN) / Female(OUT)
- Outstanding PIM performance, -161dBc typical
- Low VSWR across the band
- *RoHS* Compliant
- Weatherproof / Outdoor unit
- In Stock to low lead time delivery

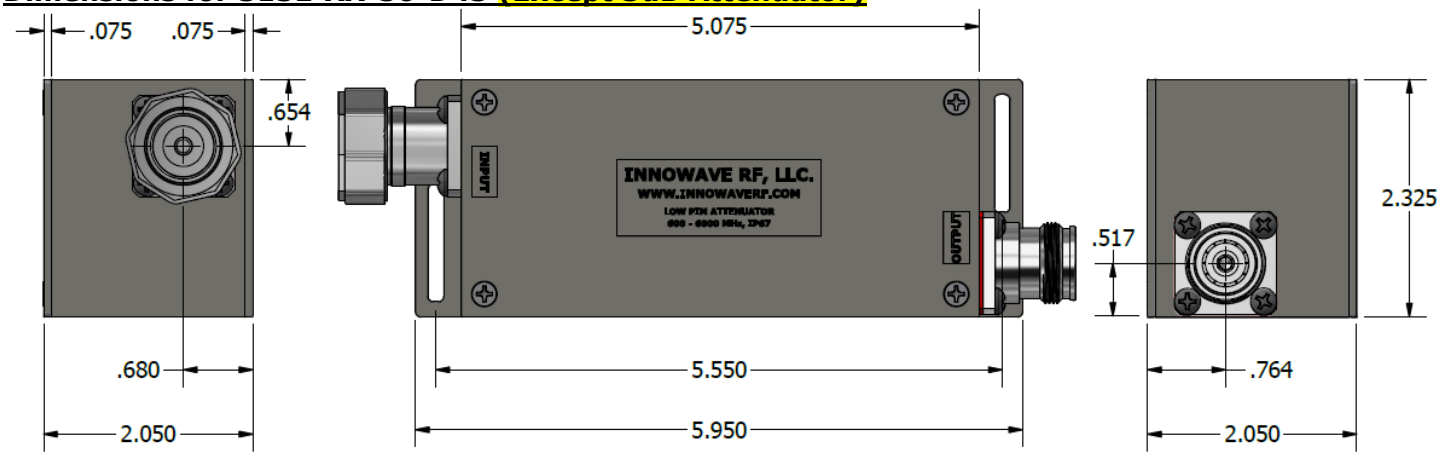
ELECTRICAL SPECIFICATIONS:

Attenuation	2dB	3dB	5dB	6dB	8dB	10dB	15dB	20dB	30dB	40dB
Attenuation Accuracy	±0.25	±0.50	±0.50	±0.50	±0.75	±1.00	±1.00	±1.00	±1.25	±1.50
Frequency Range	600MHz - 6000MHz									
Return Loss	19 dB (Typ)									
Intermodulation (PIM - 3rd)	-161 dBc (Typ) (2 Tones +43 dBm)									
Impedance	50 Ohms									
Input Power	50W (Average Power)									

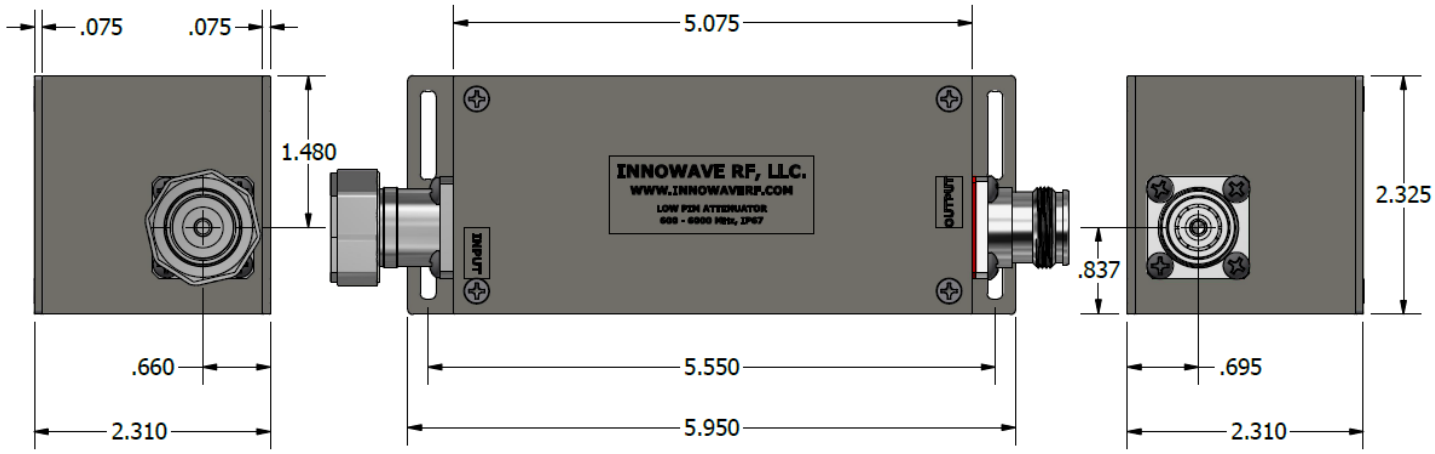
MECHANICAL SPECIFICATIONS:

Connectors:	4.3-10(D43) / NEX10(X10)
Housing Finish:	Aluminum Body
Mounting Method:	Mounting Slot
Temperature Range:	-35°C to 75°C
Relative Humidity:	5% - 95%
Weight:	3.30 lbs
Environment:	IP67

Dimensions for 313L-XX-50-D43 (Except 3dB Attenuator)



Dimensions for 313L-3-50-D43 (Only for 3dB Attenuator)



ORDERING INFO:

Part Number Ordering Info		
Attenuation Value	**Corresponding Part Number**	
	4.3-10	**NEX10**
2 dB	313L-2-50-D43	313L-2-50-X10
3 dB	313L-3-50-D43	313L-3-50-X10
5 dB	313L-5-50-D43	313L-5-50-X10
6 dB	313L-6-50-D43	313L-6-50-X10
8 dB	313L-8-50-D43	313L-8-50-X10
10 dB	313L-10-50-D43	313L-10-50-X10
15 dB	313L-15-50-D43	313L-15-50-X10
20 dB	313L-20-50-D43	313L-20-50-X10
30 dB	313L-30-50-D43	313L-30-50-X10
40 dB	313L-40-50-D43	313L-40-50-X10
XX dB *(Custom Value)*	313L-XX-50-D43	313L-XX-50-X10

Please contact our sales department at 737-200-7090 or sales@InnowaveRF.com for any custom requirements.

© Innowave RF, LLC. All Rights Reserved. Specs can change without notice. Drawings are for reference purpose only.