

**313L-XX-50 Series** of DoD / CBRS / C-Band / LTE-LAA In-Line Low-PIM Fixed Attenuators are designed for 50W applications from 600MHz - 6000MHz. 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:**

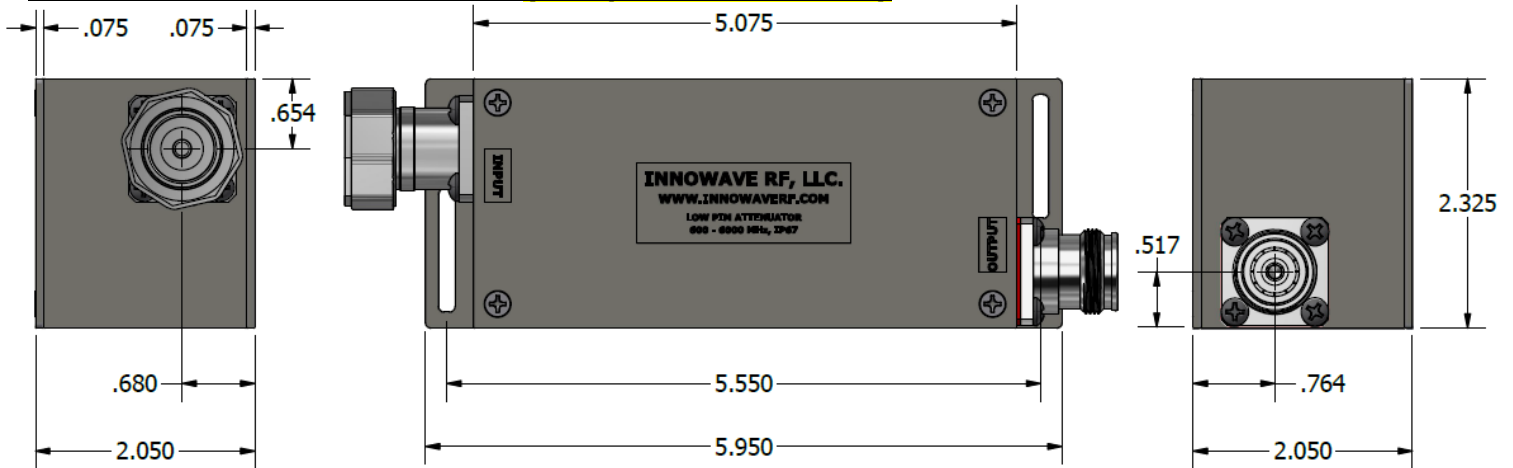
Attenuation	2dB	3dB	5dB	6dB	10dB	15dB	20dB	30dB	40dB
Attenuation Accuracy	±0.25	±0.50	±0.50	±0.50	±1.00	±1.00	±1.00	±1.25	±1.50
Frequency Range	600MHz - 6000MHz								
Return Loss	19 dB (Typ)								
Intermodulation (PIM - 3 <sup>rd</sup> )	-161 dBc (Typ) (2 Tones +43 dBm)								
Impedance	50 Ohms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

**MECHANICAL SPECIFICATIONS:**

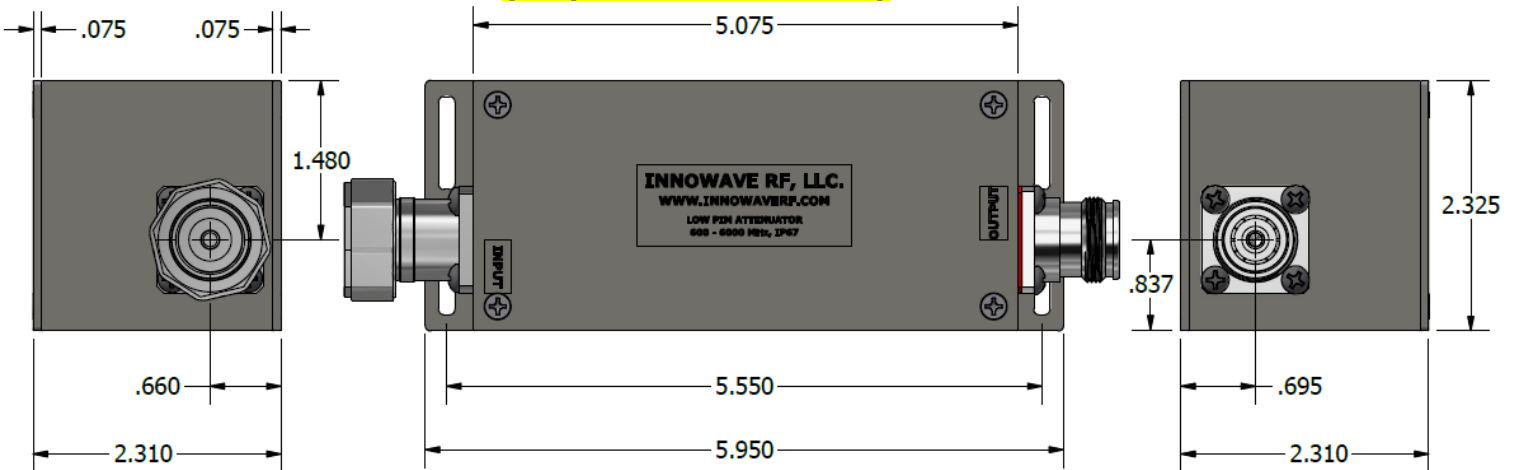
- Connectors: 4.3-10(D43) / Nex-10(X10)
- Housing Finish: Aluminum Body
- Mounting Method: Mounting Slot
- Temperature Range: -35°C to 75°C
- Relative Humidity: 5% - 95%
- Weight: 3.30 lbs
- Environment: IP67

Innovation in Every Wave

### 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	Nex-10
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
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](mailto:sales@InnowaveRF.com) for any custom requirements.

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