

311L-XX-20 Series of In-Line Low-PIM Fixed Attenuators are designed for 20W applications from 600MHz - 2700MHz. 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:

- Fixed In-Line Attenuator with a high degree of accuracy
- Small Form-Factor and Light Weight
- Flat response from 600MHz - 2700MHz
- Conventional Male(IN) / Female(OUT)
- Outstanding PIM performance, -161dBc typical
- Low VSWR across the band
- Ease of Mounting with mounting brackets
- RoHS Complaint
- Weatherproof / Outdoor unit
- In Stock to low lead time delivery


ELECTRICAL SPECIFICATIONS:

Attenuation	3dB	6dB	10dB	15dB	20dB	30dB	40dB
Attenuation Accuracy	±0.5	±0.5	±1.0	±1.0	±1.0	±1.25	±1.5
Frequency Range	600MHz - 2700MHz						
Return Loss	19 dB (Typ)						
Intermodulation (PIM - 3 rd)	-161 dBc (Typ) (2 Tones +43 dBm)						
Impedance	50 Ohms						
Input Power	20W (Average Power)						

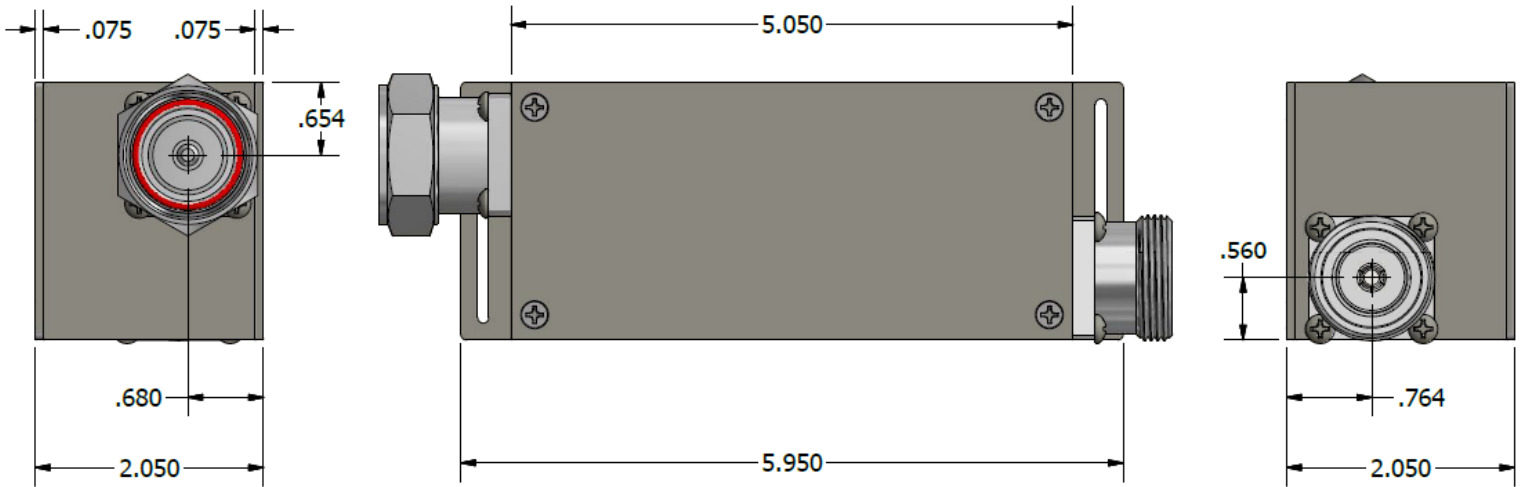
MECHANICAL SPECIFICATIONS:

Connectors:	7/16 DIN(D) / Mini-DIN(MD) / 4.3-10(D43) / Type-N(N) / Nex-10(X10)
Housing Finish:	Aluminum Body
Mounting Method:	Mounting Bracket
Temperature Range:	-35°C to 75°C
Relative Humidity:	5% - 95%
Weight:	3.30 lbs
Environment:	IP67

***** ORDERING INFO:**
Part No.: Part#: 311L-XX-20-*

XX - Attenuation Value
** - Connector Option*

Dimensions for 311L-XX-20-D43



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

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