

**313-4-2 Series** of In-Line Wideband Fixed Attenuators are designed for 2W applications from DC - 6000MHz. It covers all cellular frequency bands, including CBRS, C-Band and LTE-LAA. These attenuators are guaranteed for stable performance in the entire frequency range. These units are rugged in their construction and can handle day-to-day wear and tear in indoor or 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 DC - 6000MHz
- Conventional Male(IN) / Female(OUT)
- Low VSWR across the band
- **RoHS** Compliant
- Indoor or Outdoor unit
- In Stock to low lead time delivery



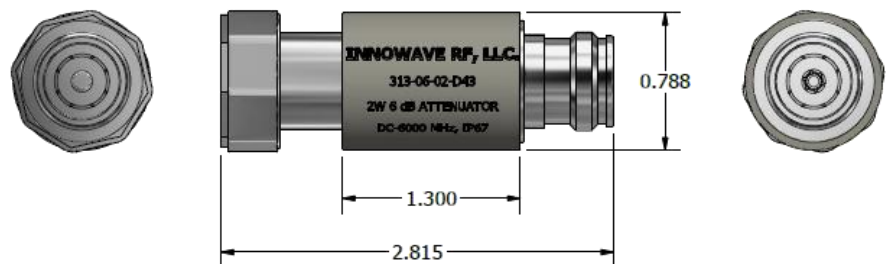
**ELECTRICAL SPECIFICATIONS:**

| Attenuation          | 1dB                | 2dB   | 3dB   | 4dB   | 5dB   | 6dB   | 7dB   | 8dB   | 9dB   | 10dB  | 15dB  | 20dB  |
|----------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Attenuation Accuracy | ±0.25              | ±0.30 | ±0.30 | ±0.50 | ±0.60 | ±0.60 | ±0.75 | ±0.75 | ±0.75 | ±0.80 | ±0.80 | ±0.80 |
| Frequency Range      | DC - 6000MHz       |       |       |       |       |       |       |       |       |       |       |       |
| Return Loss          | 20 dB (Typ)        |       |       |       |       |       |       |       |       |       |       |       |
| Impedance            | 50 Ohms            |       |       |       |       |       |       |       |       |       |       |       |
| Input Power          | 2W (Average Power) |       |       |       |       |       |       |       |       |       |       |       |

**MECHANICAL SPECIFICATIONS:**

|                    |                                     |
|--------------------|-------------------------------------|
| Connectors:        | 4.3-10 (D43) / Type-N (N) / SMA (S) |
| Housing Finish:    | Aluminum Body                       |
| Mounting Method:   | Mounting Bracket                    |
| Temperature Range: | -30°C to 75°C                       |
| Weight:            | 0.25 lbs                            |
| Environment:       | IP67                                |

**Dimensions for 313-4-2-D43**





Innovation in Every Wave

## 313-4-2 Series

CBRS / C-Band / LTE-LAA 2 Watt Wideband In-Line Attenuators

DC-6000MHz, IP67

### ORDERING INFO:

| Part Number Ordering Info     |                           |            |            |
|-------------------------------|---------------------------|------------|------------|
| Attenuation Value             | Corresponding Part Number |            |            |
|                               | 4.3-10                    | Type-N     | SMA        |
| 1 dB                          | 313-1-2-D43               | 313-1-2-N  | 313-1-2-S  |
| 2 dB                          | 313-2-2-D43               | 313-2-2-N  | 313-2-2-S  |
| 3 dB                          | 313-3-2-D43               | 313-3-2-N  | 313-3-2-S  |
| 4 dB                          | 313-4-2-D43               | 313-4-2-N  | 313-4-2-S  |
| 5 dB                          | 313-5-2-D43               | 313-5-2-N  | 313-5-2-S  |
| 6 dB                          | 313-6-2-D43               | 313-6-2-N  | 313-6-2-S  |
| 7 dB                          | 313-7-2-D43               | 313-7-2-N  | 313-7-2-S  |
| 8 dB                          | 313-8-2-D43               | 313-8-2-N  | 313-8-2-S  |
| 9 dB                          | 313-9-2-D43               | 313-9-2-N  | 313-9-2-S  |
| 10 dB                         | 313-10-2-D43              | 313-10-2-N | 313-10-2-S |
| 15 dB                         | 313-15-2-D43              | 313-15-2-N | 313-15-2-S |
| 20 dB                         | 313-20-2-D43              | 313-20-2-N | 313-20-2-S |
| XX dB ( <i>Custom Value</i> ) | 313-XX-2-D43              | 313-XX-2-N | 313-XX-2-S |

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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