

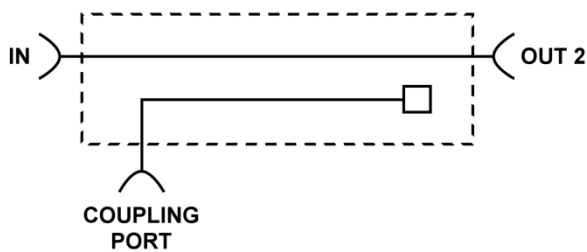
4XX-600-3800 Series of Wideband Directional Couplers are Low-PIM devices that operate from 600MHz – 3800MHz. It has excellent directivity and coupling flatness across the entire band. It also exhibits a very low insertion loss along with outstanding VSWR at all three ports. These units are weatherproof and suitable for extreme conditions. Available in different connector options.

FEATURES:

- Operates from 600 MHz to 3800 MHz
- Covers 600MHz (Band 71) and CBRS band
- Low Insertion Loss and Low VSWR
- Excellent PIM rating, -161dBc
- RoHS Compliant
- Weatherproof / Outdoor unit
- In Stock to low lead time delivery
- Superior Construction and High Power Handling
- Available in DIN, Mini-DIN, 4.3-10 or Nex10 Connectors



Block Diagram for Directional Couplers



PART ORDERING INFO:

4XX-600-3800-*

XX - Coupling Value
(Ex: 6dB -- 406; 30dB -- 430)

***** - Connector Option

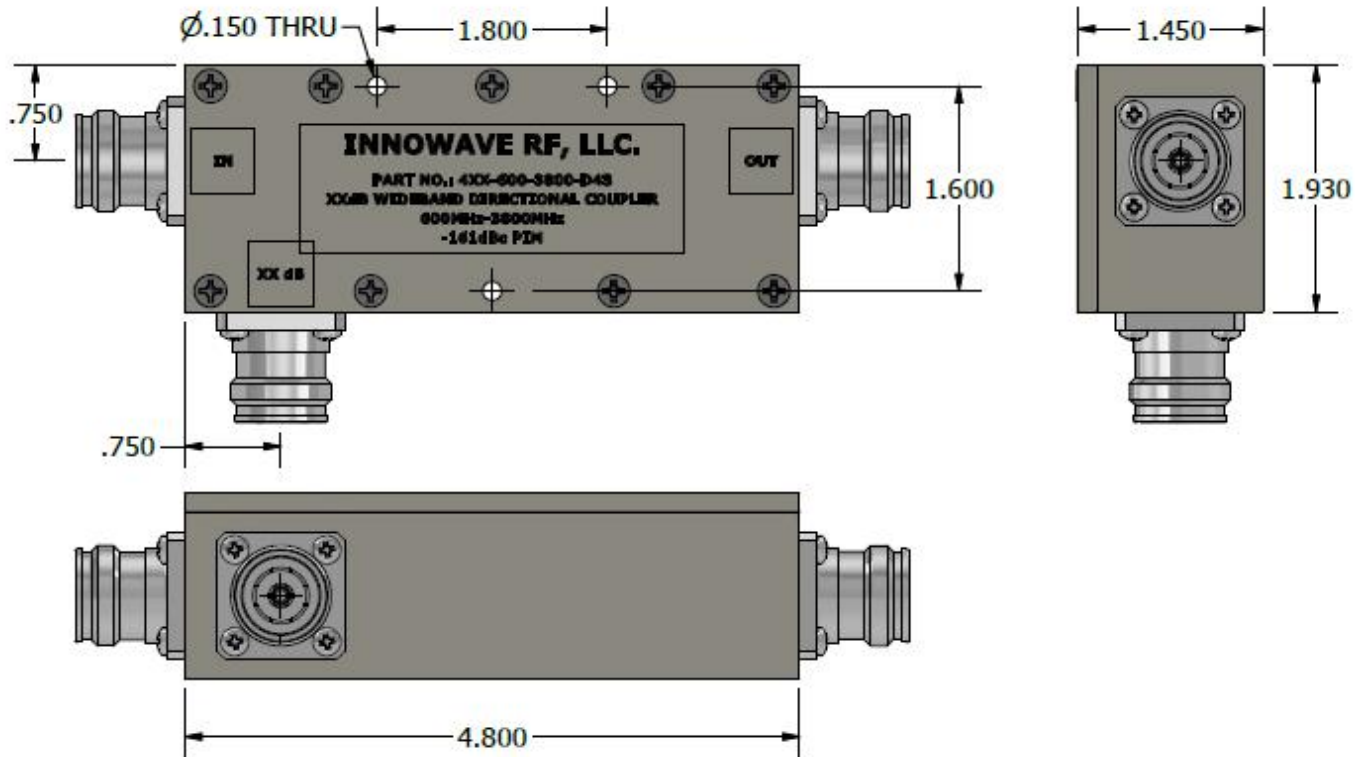
ELECTRICAL SPECIFICATIONS:

Coupling Value	5dB	6dB	7dB	8dB	10dB	12dB	15dB	20dB	30dB	40dB
Frequency Bands	600 MHz - 3800 MHz									
Frequency Sensitivity(dB)	±1.00				±1.20			±1.50		±1.75
Insertion Loss (dB)	≤2.2	≤2.1	≤1.7	≤1.6	≤1.2	≤1.2	≤0.9	≤0.8	≤0.8	≤0.5
Return Loss	-20 dB									
Impedance	50 Ω									
Isolation (dB)	≥ 20	≥ 21	≥ 22	≥ 23	≥ 25	≥ 27	≥ 30	≥ 35	≥ 45	≥ 50
Intermodulation (PIM-3 rd)	-161 dBc (2 Tones +43 dBm)									
Input Power	200 Watts (Avg); 500 Watts (Peak)									

MECHANICAL SPECIFICATIONS:

- Connectors: 7/16 DIN (D) / Mini-DIN (MD) / 4.3-10 (D43) / Nex10 (X10)
- Housing Finish: Aluminum Body
- Mounting Method: Mounting Panel
- Temperature Range: -25°C to 75°C
- Weight: 0.80 lb
- Relative Humidity: 5% - 95%
- Environment: IP67

Dimensions for 4XX-600-3800-D43



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

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