8XX-350-6000

Tappers / Unequal Splitters

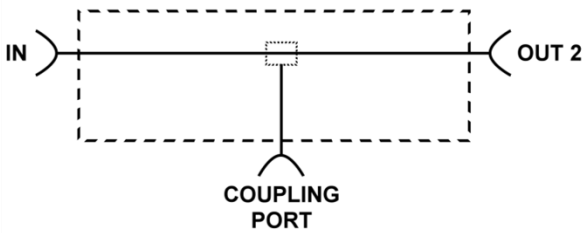
-161dBc PIM, 350-6000MHz, IP67

8XX-350-6000 Series of Tappers / Unequal Splitters are Low-PIM devices that operate from 350 MHz – 6000 MHz. Splitting ratios vary in fixed increments from 2:1 to 1000:1 with minimal Insertion loss and excellent coupling flatness across the entire band. It also exhibits outstanding VSWR at all three ports across all cellular bands. These units are weatherproof and suitable for extreme conditions. Available in different connector options.

FEATURES:

- Ultra Wide bandwidth, 350 MHz to 6000 MHz
- Cover all Cellular Bands including CBRS and LTE-LAA
- Low Insertion Loss and Low VSWR
- Available in different Coupling Ratios
- Excellent PIM rating, -161dBc
- *RoHS* Complaint
- Weatherproof / Outdoor unit
- In Stock to low lead time delivery
- Superior Construction and High Power Handling
- Available in DIN, Mini-DIN, 4.3-10, Nex10 and Type-N Connectors

Block Diagram for Tappers



ELECTRICAL SPECIFICATIONS:

Coupling Ratio	2:1	3:1	4:1	6:1	10:1	20:1	30:1	100:1	1000:1
Inequality b/n Outputs	3dB	4.8dB	6dB	8dB	10dB	13dB	15dB	20dB	30dB
Output Splits (dB)	1.8/4.8	1.3/6.1	1.0/7.0	0.7/8.6	0.4/10.4	0.2/13.2	0.1/15.1	0.1/20.1	0.1/30.1
Frequency Bands	350 - 960 MHz; 1695 - 2700 MHz; 3400 - 3800 MHz; 5100 - 6000 MHz								
Flatness (ref to Input)(dB)	±1.00@350-960 ±0.75@1695-2700 ±0.75@3400-3800 ±0.50@5100-6000		±0.75@350-960 ±0.50@1695-2700 ±0.50@3400-3800 ±0.35@5100-6000			±1.00@350-960 ±0.75@1695-2700 ±0.75@3400-3800 ±0.60@5100-6000		±1.20@350-960 ±1.00@1695-2700 ±1.00@3400-3800 ±0.75@5100-6000	
Return Loss	1.35@350-960 1.30@1695-2700 1.30@3400-3800 1.25@5100-6000		1.30@350-960 1.25@1695-2700 1.22@3400-3800 1.22@5100-6000			1.30@350-960 1.25@1695-2700 1.22@3400-3800 1.22@5100-6000		1.25@350-960 1.22@1695-2700 1.20@3400-3800 1.22@5100-6000	
Impedance	50 Ω								
Intermodulation (PIM - 3rd)	-161 dBc (2 Tones +43 dBm)								
Input Power	500 Watts (Avg)								

MECHANICAL SPECIFICATIONS:

Connectors:	7/16 DIN (D) / Mini-DIN (MD) / 4.3-10 (D43) / Nex10 (X10) / Type-N (N)
Housing Finish:	Aluminum Body
Mounting Method:	Mounting Panel
Temperature Range:	-35°C to 75°C
Weight:	0.80 lb
Relative Humidity:	5% - 95%
Environment:	IP67

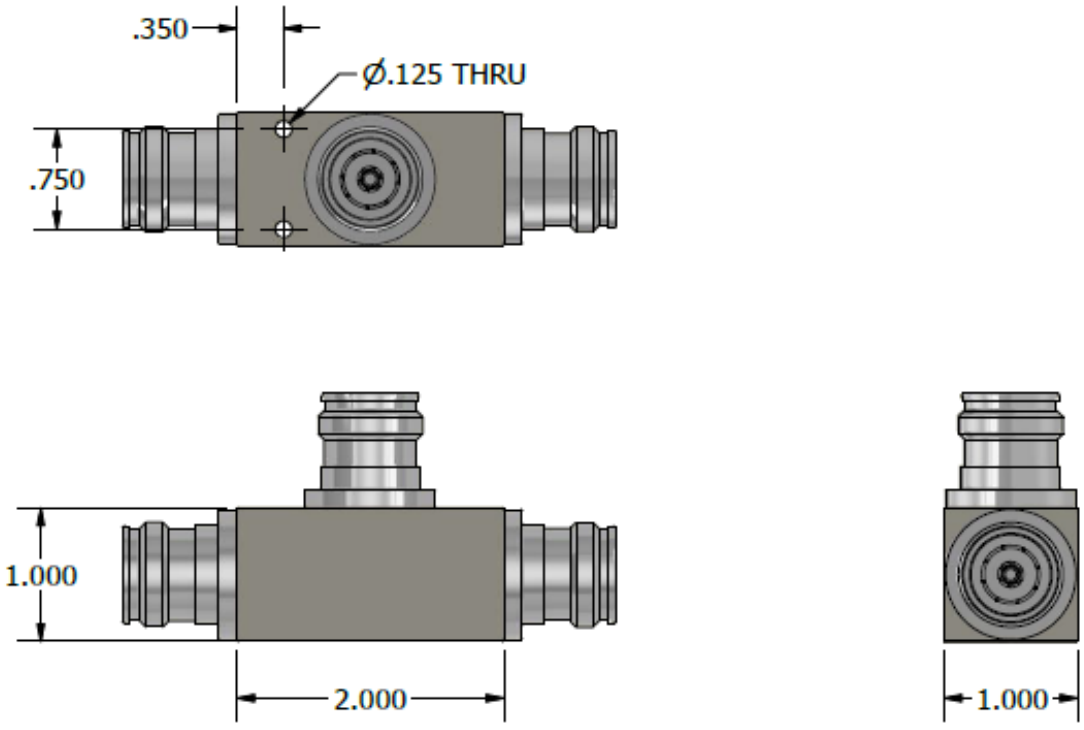
PART ORDERING INFO:

8XX-350-6000-*

XX - Coupling Value
(Ex: 5dB -- 805; 30dB -- 830)

***** - Connector Option

Dimensions for 8XX-350-6000-D43



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

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