

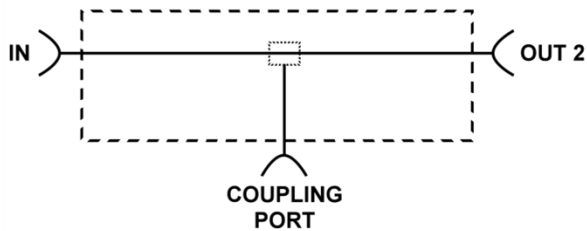
820-350-6000 Series is a 20dB Tappers / Unequal Splitters are Low-PIM devices that operate from 350 MHz – 6000 MHz. Splitting ratios vary in fixed increments from 2:1 to 1000:1 with minimal Insertion loss and excellent coupling flatness across the entire band. It also exhibits outstanding VSWR at all 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, C-Band and LTE-LAA**
- Low Insertion Loss and Low VSWR
- Available in different Coupling Ratios
- Excellent PIM rating, -161dBc
- RoHS Compliant
- Weatherproof / Outdoor unit
- In Stock to low lead time delivery
- Superior Construction and High Power Handling
- Available in 4.3-10 or NEX10 Connectors



Block Diagram for Tappers



ELECTRICAL SPECIFICATIONS:

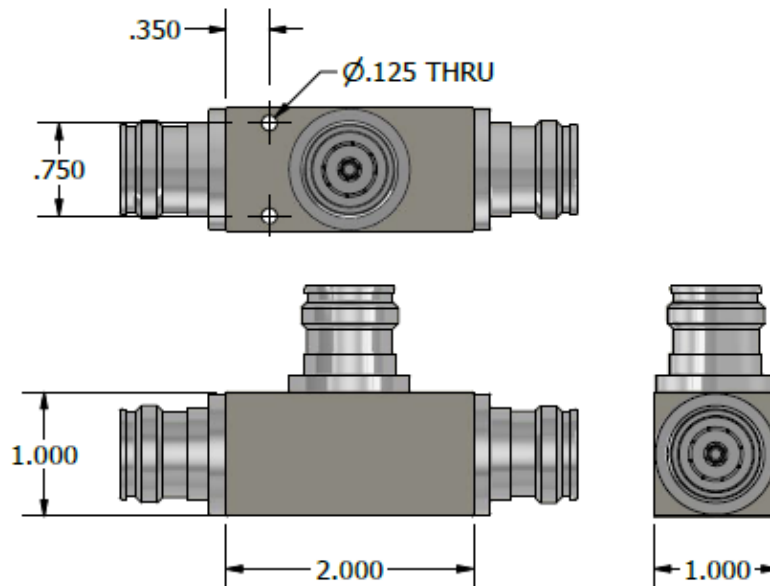
Coupling Ratio	2:1	3:1	4:1	6:1	10:1	20:1	30:1	100:1	1000:1
Inequality b/n Outputs	3dB	4.8dB	6dB	8dB	10dB	13dB	15dB	20dB	30dB
Output Splits (dB)	1.8/4.8	1.3/6.1	1.0/7.0	0.7/8.6	0.4/10.4	0.2/13.2	0.1/15.1	0.1/20.1	0.1/30.1
Frequency Bands	350 - 960 MHz; 1695 - 2700 MHz; 3300 - 4200 MHz; 5100 - 6000 MHz								
Flatness (ref to Input)(dB)	±1.00@350-960		±0.75@350-960			±1.00@350-960		±1.20@350-960	
	±0.75@1695-2700		±0.50@1695-2700			±0.75@1695-2700		±1.00@1695-2700	
	±0.75@3300-4200		±0.50@3300-4200			±0.75@3300-4200		±1.00@3300-4200	
	±0.50@5100-6000		±0.35@5100-6000			±0.60@5100-6000		±0.75@5100-6000	
Return Loss	1.35@350-960		1.30@350-960			1.30@350-960		1.25@350-960	
	1.30@1695-2700		1.25@1695-2700			1.25@1695-2700		1.22@1695-2700	
	1.30@3300-4200		1.22@3300-4200			1.22@3300-4200		1.20@3300-4200	
	1.25@5100-6000		1.22@5100-6000			1.22@5100-6000		1.22@5100-6000	
Impedance	50 Ω								
Intermodulation (PIM - 3 rd)	-161 dBc (2 Tones +43 dBm)								
Input Power	300 Watts (Avg)								

MECHANICAL SPECIFICATIONS:

Connectors:	4.3-10 (D43) / NEX10 (X10)
Housing Finish:	Aluminum Body
Mounting Method:	Mounting Holes
Temperature Range:	-35°C to 75°C
Weight:	0.80 lb
Relative Humidity:	5% - 95%
Environment:	IP67

ORDERING INFO:

Tapper Values	Corresponding Part Number	
	4.3-10	NEX10
3 dB	803-350-6000-D43	803-350-6000-X10
4.8 dB	805-350-6000-D43	805-350-6000-X10
6 dB	806-350-6000-D43	806-350-6000-X10
8 dB	808-350-6000-D43	808-350-6000-X10
10 dB	810-350-6000-D43	810-350-6000-X10
13 dB	813-350-6000-D43	813-350-6000-X10
15 dB	815-350-6000-D43	815-350-6000-X10
20 dB	820-350-6000-D43	820-350-6000-X10
30 dB	830-350-6000-D43	830-350-6000-X10

Dimensions for 820-350-6000-D43


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

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