

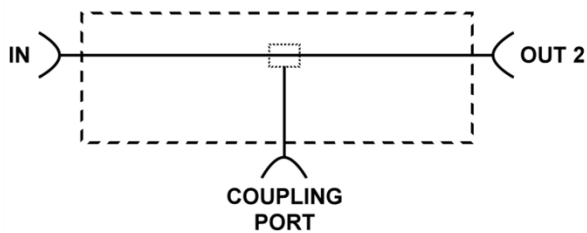
8XX-137-960 Series of Tappers / Unequal Splitters are used for Public Safety applications from 137 MHz – 960 MHz. Splitting ratios vary in fixed increments from 2:1 to 1000:1 with minimal Insertion loss and excellent coupling flatness across the entire band. It also exhibits outstanding VSWR at all three ports across the Public Safety frequencies. These units are weatherproof and suitable for extreme conditions. Available in different connector options.

FEATURES:

- Public Safety Applications, 137 MHz to 960 MHz
- Low Insertion Loss and Low VSWR
- Available in different Coupling Ratios
- RoHS Complaint
- Weatherproof / Outdoor unit
- In Stock to low lead time delivery
- Superior Construction and High Power Handling
- Available in 4.3-10 or 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	137 MHz - 960 MHz								
Flatness (ref to Input)(dB)	±0.70@137-200		±0.70@137-200			±0.80@137-200		±0.90@137-200	
	±0.50@200-250		±0.60@200-250			±0.70@200-250		±0.80@200-250	
	±0.50@250-380		±0.50@250-380			±0.60@250-380		±0.80@250-380	
	±0.50@380-520		±0.60@380-520			±0.60@380-520		±0.70@380-520	
	±0.60@698-960		±0.50@698-960			±0.50@698-960		±0.70@698-960	
Return Loss	1.35@138-380		1.30@138-380			1.20@138-380		1.25@138-380	
	1.30@380-960		1.25@380-960			1.20@380-960		1.20@380-960	
Impedance	50 Ω								
Intermodulation (PIM - 3 rd)	-161 dBc (2 Tones +43 dBm)								
Input Power	500 Watts (Avg)								

MECHANICAL SPECIFICATIONS:

Connectors:	4.3-10 (D43) / Type-N (N)
Housing Finish:	Aluminum Body
Mounting Method:	Mounting Panel
Temperature Range:	-35°C to 75°C
Weight:	0.78 lb
Relative Humidity:	5% - 95%
Environment:	IP67

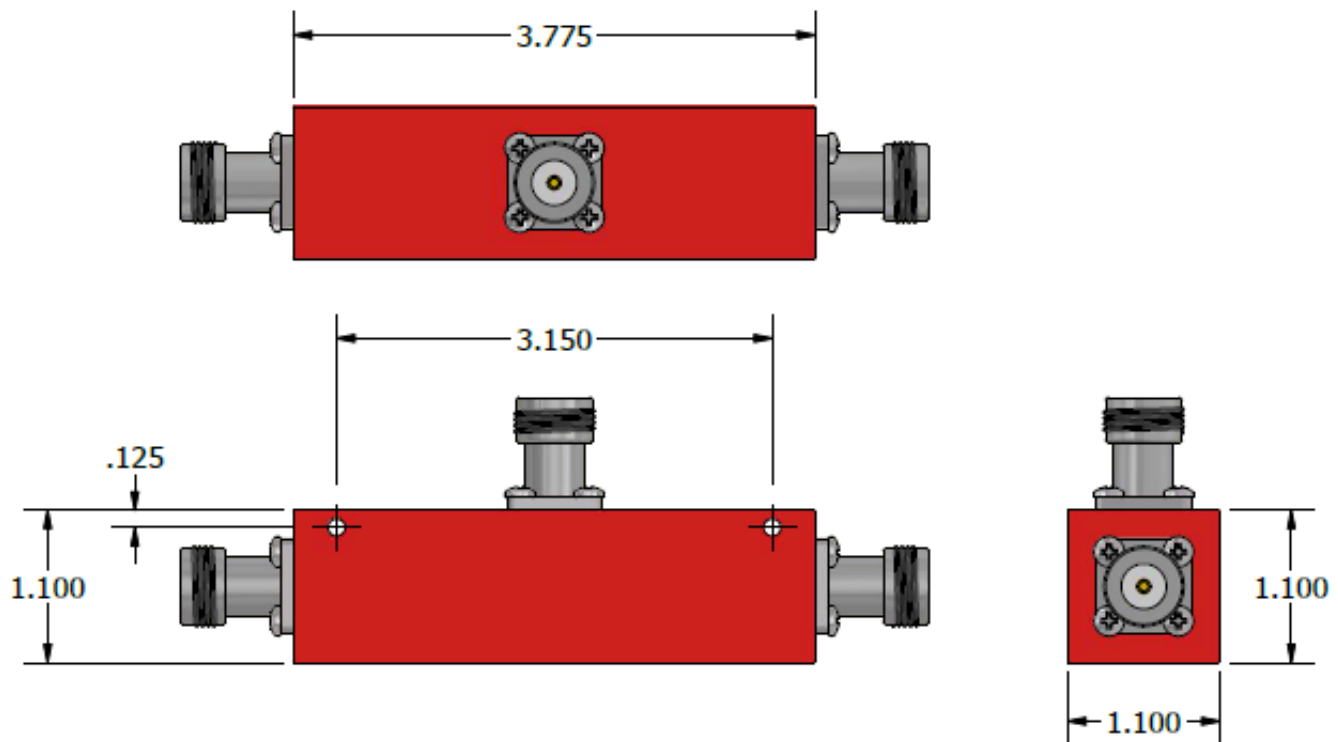
PART ORDERING INFO:

8XX-137-960-*

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

***** - Connector Option

Dimensions for 8XX-137-960



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

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