MICROLAB / FXR — Adjustable Tap

HZ-15N

10 – 80 dB Manually Adjustable Signal Tap
380 – 2,200 MHz, usable to 2,700 MHz

- **Adjustable Signal Tap for indoor distribution systems**
- **Sampler for signal monitoring**
- **Optimized VSWR at close coupling**
- **100 Watt Average Power Rating**
- **Minimal RF Insertion Loss**
- **High Reliability**
- **N connectors standard**
- **Custom versions to special order**

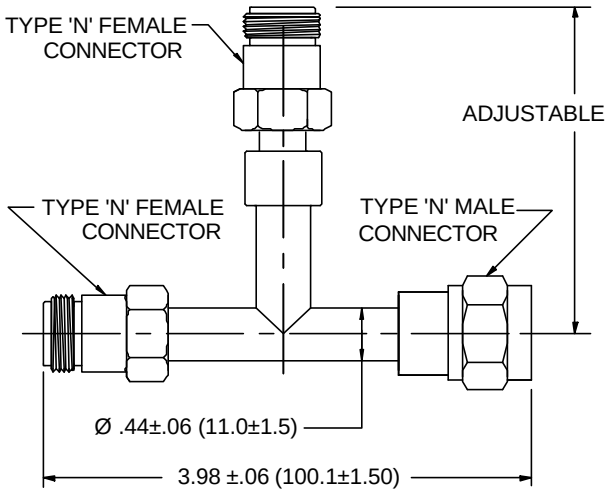
Microlab/FXR HZ-15 series is a reactive tap/sampler designed for either tapping off 10 dB or less power to a side track in a radiating cable system or for sampling/monitoring wireless carriers between base station radio and antenna.

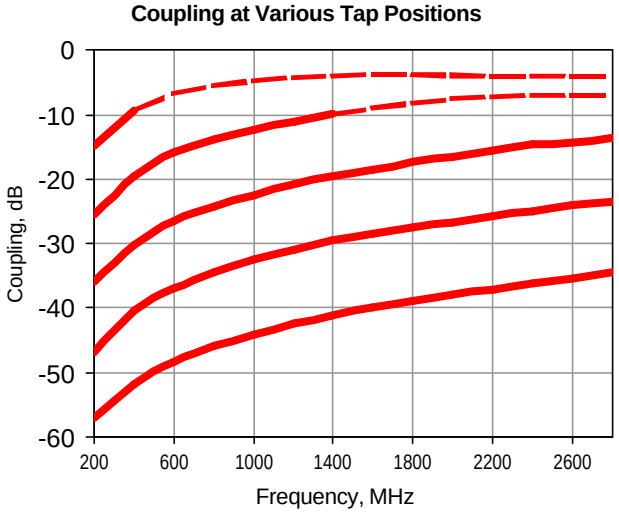
It consists of a matched probe coupled to a short length of 50Ω coaxial transmission line. A portion of the RF energy in the main line is electrostatically coupled by the probe to the auxiliary output, the balance being transmitted to the output with negligible reflection or loss. The coupling between probe and main line is continuously adjustable from –10 and –80 dBc and may be locked at any convenient position.

Standard units are generally available from stock. (8/00)

Frequency Range:	380 to 2,200 MHz.
Coupling Range*:	-10 to -80 dBc nom.
Insertion Loss:	0.1 typ., 0.2 dB max. plus coupling loss.
Impedance:	50Ω nominal.
Main Line VSWR:	
10 – 80 dB Coupling	1.35:1 max.
Power Rating:	100W avg., 500 W pk.
Connectors:	
Main Line:	N male to female
Coupled Port:	N (f)
Temperature Range:	-55°C to +150°C
Finish:	Silverplate QQ-S-365

*Note: Coupling is not constant across frequency range, falling in opposition to frequency at approximately 6 dB per octave.





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