

# RF Directional Coupler Elements

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## Features

- Gold Plated For High Conductivity
- Permits Easy RF Power Sampling
- Rugged and Reliable
- Two Year Limited Warranty



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## Description

The Coaxial Dynamics 87000 series X-Tractors are directional RF Signal Sampler Elements designed to permit easy coupling into a coaxial line for counting of frequency, spectrum analysis or scope display.

The Directional X-Tractors are transparent to RF signals by virtue of their extremely low VSWR and Insertion Loss. Power levels of up to 100 kW can be sampled for frequencies between 50 and 500 MHz. Fixed attenuation values are available ranging from 37.5 to 70 dB.

The X-Tractors comes with a BNC Female connector for the RF output and may be used in conjunction with the [Model 81000-A](#) and other RF Wattmeters, its own auxiliary line section (Model 88536), or any standard 7/8" through 6-1/8" line section.

Your confidence in the quality and dependability of the 87000 series of X-Tractors is assured with the Coaxial Dynamics Two Year Limited Warranty.

## Available Models

Model	Line Size	Max Power	Coupling (dB)	Frequency Range
*87014S	7/8"	1000 W	37.5 +/- .75 dB	54 to 90 MHz
*87015	7/8"	1000 W	50 +/- 1 dB	50 to 500 MHz
87016	7/8"	1000 W	37.5 +/- .75 dB	174 to 230 MHz
*87024	1-5/8"	1000 W	40 +/- 1 dB	50 to 500 MHz
87024H	1-5/8"	5000 W	40 +/- 1 dB	50 to 500 MHz
87025	1-5/8"	10 kW	50 +/- 1 dB	50 to 500 MHz
87026	1-5/8"	2500 W	45 +/- 1 dB	400 to 800 MHz
87027	1-5/8"	5000 W	50 +/- 1 dB	400 to 800 MHz
87035	3-1/8"	10 kW	50 +/- 1 dB	50 to 500 MHz
87035H	3-1/8"	35 kW	50 +/- 1 dB	50 to 500 MHz
87036	3-1/8"	100 kW	60 +/- 1 dB	50 to 500 MHz
87038	3-1/8"	5000 W	50 +/- 1 dB	400 to 800 MHz
87039	3-1/8"	10 kW	70 +/- 1 dB	400 to 800 MHz
87046	4-1/16"	50 kW	60 +/- 1 dB	50 to 500 MHz

87066	6-1/8"	50 kW	60 +/- 1 dB	50 to 500 MHz
* +/- 1 dB at 174 to 500 MHz, Coupling drops to 48 dB at 50 MHz				

## ***Specifications***

VSWR	1.1:1 max
Insertion Loss	0.1 dB max
Accuracy	±5% of full scale
Directivity	30 dB
Impedance	50-Ohms
Connector	BNC Female
Weight	1.25 oz. (.035 kg)

**[general documents/SUPPLIERS/COAXIAL/specs for online catalogue/Signal Samplers/footer.htm]**