

Series 15 Standard Gain Dipoles

Features

- Ideal for gain measurements from 115 MHz to 600 MHz
- Adjustable dipole length ensures a precise 2.1 dB of gain

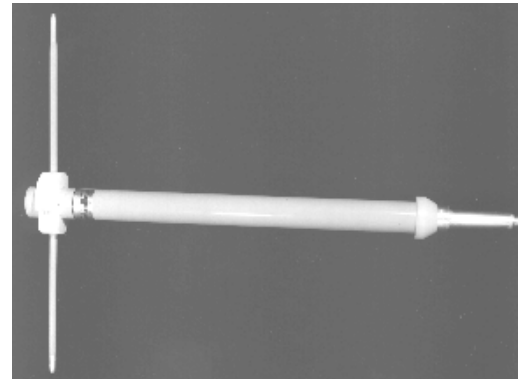
Description

Series 15 Standard Gain Dipoles are precision gain standards for low-frequency antenna measurements. Three units cover the frequency range from 115 to 600 MHz. Series 15 Dipoles complement Series 12 Standard Gain Horns, forming a complete line of gain standards covering a frequency range from 115 MHz to 90 GHz.

Series 15 Standard Gain Dipoles have movable elements, so that element length can be adjusted to one-half wavelength at particular frequencies within their operating band.

An adjustable coaxial balun-impedance transformer is enclosed within the support mast. The adjustable balun and the dipole elements have etched frequency calibration marks. This eliminates the need for calibration charts.

When adjusted to the calibrated marks for a particular frequency setting, the dipole has the gain of a one-half wavelength dipole, 2.1 dB. Series 15 Dipoles are characterized by low VSWR and balanced operation when properly adjusted.



1520

Specifications

Model Number	Freq. Range (MHz)	Connector (female)	Impedance (ohms)	Max. VSWR	Dimensions (in.)				Net Weight lbs (kg)
					A		B		
					Max.	Min.	Max.	Min.	
15-115	115 to 200	Type N	50	1.2	50	28	44	32	5 (2.2)
15-200	200 to 350	Type N	50	1.2	29	16	28	22	3 (1.4)
15-350	350 to 600	Type N	50	1.35	17	9	19	14	2 (1)

Ordering Information

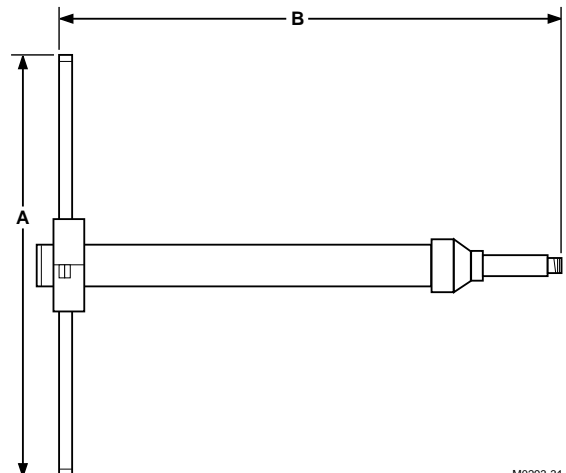
When ordering a standard gain dipole, use the model numbers specified in the table located in the specification section.

Options

Not Applicable

Accessories

Not Applicable



M0293-31