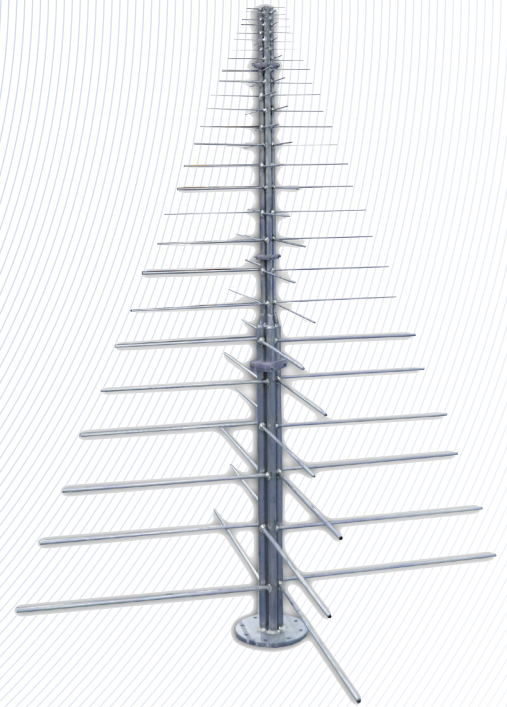


MI-29 Family of Broadband Dual Polarized Antennas

The MI-29 Family of Broadband Dual Polarized antennas combines broadband coverage with the versatility of dual polarization and has essentially constant gain, beamwidth and input impedance over its operating frequency range.



Description

The MI-29 Family of Dual Polarized Antennas consists of two crossed log-periodic arrays specifically designed for VHF and UHF frequency bands. Each array has essentially constant gain, beamwidth and input impedance over its operating frequency range. A mounting flange is provided at the rear of the array for rear-mounting applications.

The MI-29C antennas include hybrids, load termination, and a hybrid mounting plate to produce circular polarization. Two hybrids are used to permit broader frequency band coverage.

The MI-29C includes a 90° hybrid to provide right-hand and left-hand circular polarization.

Specifications

Model	Frequency Range (GHz)	Nominal Gain (W)	Average ¹ Power	Nominal Beamwidth	Length	Projected Wind Width	Area	Center of Gravity	Weight
MI-29-0.10 MI-29C-0.10	0.10 - 1.0	8 dB	600 200	60° E-Plane 120° H-Plane	72 in 183 cm	60 in 153 cm	460 in 2968 cm	24 in, 61 cm from flange	25 lbs 12 kgs
MI-29-0.15 MI-29C-0.15	0.15 - 1.0	8 dB	600 200	60° E-Plane 120° H-Plane	46 in 116 cm	39 in 98 cm	286 in 1845 cm	13 in, 33 cm from flange	11 lbs. 5 kgs
MI-29-0.20 MI-29C0.20	0.20 - 1.0	8 dB	600 200	60° E-Plane 120° H-Plane	32 in 80 cm	28 in 72 cm	130 in 838 cm	8 in, 20 cm from flange	7 lbs 3 kgs
MI-29-0.35 MI-29C-0.35	0.35 - 1.0	8 dB	600 200	60° E-Plane 120° H-Plane	17 in 43 cm	17 in 43 cm	86 in 554 cm	3 in, 7.62 cm from flange	6 lbs 2.7 kgs

¹ Peak Power 2500 W

Related Products

MI-56000 Family of Polarization Positioners