



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Smart Technology. Delivered.

Voyager®

Base Antennas

VG1502 VG1505 VG4505

150-174 MHz / 450-512 MHz

The Laird Voyager® is field tunable for fast field installation and deployment. The rugged design provides high performance in harsh environments. The Voyager® is intended for applications that require weather durability, ease of installation and higher gain. Features include 6061-T6 aluminum construction and a patented broadband internal matching network. gold anodized aluminum construction and plated brass "N" connectors. Each VOYAGER® is tested on a HP® network analyzer prior to shipment.

FEATURES / BENEFITS

- **Patented internal matching:** Will not ice up, corrode, or de-tune.
- **Internally potted:** Eliminates moisture build up and is vibration resistant.
- **Gold anodized:** Harder than diamonds coating that is corrosion resistant and durable
- **UV inhibiting insulators:** Will not crack or disassemble with UV exposure.
- **Nickel plated brass connector:** Will not seize or gall like aluminum.
- **Available FM2 mounting kit:** For the fastest, easiest, and most durable mounting.

SPECIFICATIONS

ELECTRICAL

Frequency range	See chart
VSWR	< 1.5:1
Nominal gain	See chart
Maximum power	250 W
Nominal impedance	50 Ω
Vertical Beamwidth	2 dBi: 70°, 5 dBi: 35°
Bandwidth @ 1.5:1 VSWR	2 dBi: 5% of center frequency. 5dBi: 2.5% of center frequency. 6 dBi: 2% of center frequency.
Bandwidth @ 2.0:1 VSWR	2 dBi: 10% of center frequency. 5dBi: 5% of center frequency. 6 dBi: 4% of center frequency.
Termination	N Female
Lightning Protection	DC Ground

MECHANICAL

Finish	Gold Anodized
Radiator Material	6061-T6 Aluminum Tube
Wind Survival	100 M.P.H. (Standard)
Length	VHF: 0 dBi 55", 5dBi 102" UHF: 0 dBi 25", 5 dBi 35" typical extended
Weight	VHF Unity: 1.2 lbs. VHF 5dBi: 2.5 lbs. UHF Unity: 0.6 lbs. UHF 5 dBi 1.5 lbs.
Equivalent Flat Plate Area	VHF Unity: 36"² VHF 5 dBi: 72"² UHF Unity: 15"² UHF 5 dBi: 22"²
Windthrust @ 100 M.P.H. & 0°F	VHF Unity: 4.5 lbs. VHF 5 dBi: 11.6 lbs. UHF Unity: 2.5 lbs. VHF 5 dBi: 4 lbs.
Mounting information (sold separately)	FM2 All VHF & UHF Models

ORDERING GUIDE

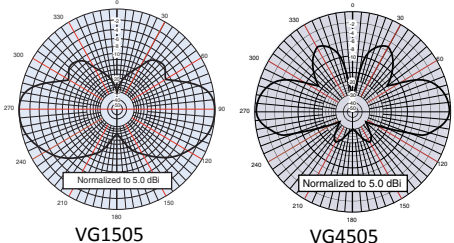
Model	Frequency	Gain
VG1502	150-174 MHz	2 dBi
VG1505	150-174 MHz	5 dBi
VG4505	450-512 MHz	5 dBi
FM2	Mounting Bracket (1 pair)	



VG1502 VG4505

Patented Internal Match - Patent #5,612,705

RADIATION PATTERNS



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ANT-DS-Voyager 150-174_450-512 0516

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