The SL-5001-B357 is a broadband omni-directional antenna for high bandwidth telemetry, LAN/WAN networking, low microwaves surveillance applications, UAV comms, etc. It measures 4 cm/1.5” OD x 11 cm/4.5” H and is designed to conveniently mount onto any structure, by means of a single 1/4” (6.4 mm) hole. Its internal radiating structure is self-contained and operates well with or without a ground plane, providing an all-around (omni) coverage with a low azimithal ripple. Its elevation pattern is frequency stable across the spectrum for the low dispersion of wide bandwidth emissions.
SPECIFICATIONS:

- Frequency range: 3.0-8.0 GHz
- Coverage: Omnidirectional
- Polarization: Linear, typically Vertical
- Gain: 0 dBi (free space) / +3 dBi (when effectively installed over a ground plane)
- Nominal Impedance: 50 ohm (RF)
- Input Power: 10 Watt CW
- VSWR: 3.0
- Connector: SMA, Female
- Dimensions:
  - Housing 4 cm (1.5”) OD x 11 cm (4.5”) h
  - Bottom flange 5 cm (2”) OD x 13 mm (0.5”) h
- Mounting: 1 screw, 1/4”-20
- Operating Temperatures: -40°C to +85°C
- Weight: 250 g / 0.5 lbs
- Shipping Weight: 300 g / 0.6 lbs

NOTES:

- Does not require a ground plane
- Specifications and prices are subject to change without notice

This product is compatible with the following Antenna Accessories:

- 12 cm (5”) Magnetic Base
- 7 cm (3”) Magnetic Base
- 9 cm (3.5”) Suction Cup

Recommended Cable Assemblies

- LMR240 - use for cables longer than 1 meter (3 ft)
- LMR195 - use for cables shorter than 1 meter (3 ft)

Specify desired length from drop-down menu
Specify desired connector for the device end
SL-5001-B357 Broadband Omni Antenna

VSWR GRAPH

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CH1 MARKER LIST
1: 3 000 000 000.0 Hz  2.366
2: 3 500 000 000.0 Hz  2.098
3: 4 000 000 000.0 Hz  2.412
4: 4 500 000 000.0 Hz  1.436
5: 5 000 000 000.0 Hz  1.435
6: 5 500 000 000.0 Hz  1.762
7: 6 000 000 000.0 Hz  1.678
8: 6 500 000 000.0 Hz  2.095
9: 7 000 000 000.0 Hz  2.041
10: 7 500 000 000.0 Hz  2.670