

LUMISTAR

LS-08-PSV S-Band Planar Antennas with 8 dBi Gain Data Sheet

Description:



The Lumistar LS-08-PSV S-Band Planar Antenna is the ideal companion to the LS-25/27/28 Series Receiver products to provide a low-cost receiving system with extremely high performance.

Key Features:

- Available in Lower or Upper S-Band
- 8 dBi Gain
- Small size, light weight
- Inexpensive
- Tripod Optional

Applicable Models:

LS-08-PSV S-Band Planar Antenna Vertical

SPECIFICATIONS:

Performance:

Frequency Range	2,200 MHz to 2,400 MHz
Impedance/VSWR	50 Ohm / 1.5:1
Gain (typical)	8 dBi
3 dB beam-width horizontal	70°
3 dB beam-width vertical	65°
Down-tilt	0°
Front to back ratio	20 dB

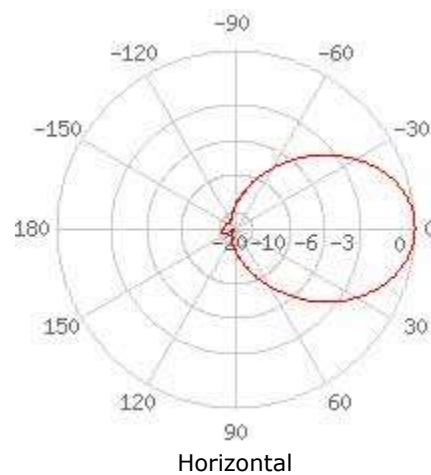
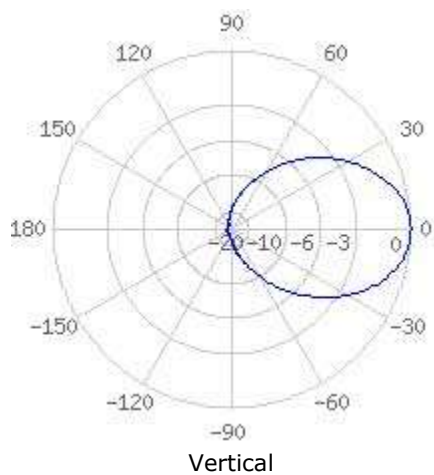
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Physical and Environmental:

Dimensions (L x W x H)	3.98 in x 3.74 in x 1.26 in (101 mm x 95 mm x 32 mm)
Weight	0.22 lbs (0.1 kg)
Housing material	ASA and Aluminum
Radome material	ASA
Radome color	Light-grey
Mounting bracket color	Dark-grey
Operational temperature range	-40 °C to 80 °C
Storage temperature range	-40 °C to 80 °C
Max. wind-load	15 N at 160 km/h (100 mph)
Connector	SMA female (TNC Optional)

Typical Radiation Patterns:

Amplitude [dB]
Angle [deg]



Lumistar Companion Products:

LS-25/27/28 Series

LS-11 Series

LS-18 Series

Telemetry Receivers and Down Converters

Test Transmitter

Telemetry Simulators with RF Output