



GPSU15M/GPSU15P

Omnidirectional GPS Antennas

The Laird Connectivity GNS1559MPF or Mini GNSS is a rugged, high performance, and cost-effective solution for most GNSS or asset tracking applications. The small form factor makes it easy to install on or in vehicles or buildings where global navigation is required. It is designed to withstand impact as well as water and dust intrusion (IP67 rated). The antenna can be configured with different cable types, in varying lengths and with various connector types. Laird Connectivity has a full line of high performance, cost effective GPS/GNSS antennas for any telematics or GPS/GNSS application.

FEATURES AND BENEFITS

- Gold-plated push pin contact
- Optimized microstrip-to-NMO design
- Monitor location

APPLICATIONS

- Multiple applications - Heavy equipment to luxury automobiles

ENVIRONMENTAL SPECIFICATIONS

Model Name	GPSU15M/GPSU15P
Operating Frequency (MHz)	1575.42
Bandwidth (MHz)	28
VSWR - Avg	<2.0:1
LNA Gain (dB) - Typical	27 @ 250 mA
Nominal Impedance (Ohms)	50
Polarization	Right-hand circular (RHCP)
Azimuth Coverage	Omnidirectional
Elevation Coverage	0° to 90°
Beamwidth	130°
Operating Voltage	3 to 5 Vdc

MECHANICAL SPECIFICATIONS

Operating Temperature	-40° to +85°C (-40° to +185°F)
Height - cm (in.)	3.81 (1.5)
Contact	Gold-plated push pin
Finish	Black or White ABS plastic
Water Resistance	Nominal rain and splash degree
Mounting Base	GPSU15M - NMO style ¾ mount GPSU15P - N-female bulkhead

CONFIGURATION

PART NUMBER	COLOR	CONNECTOR
GPSU15M	Black	NMO
GPSUW15M	White	NMO
GPSU15P	Black	N-female bulkhead
GPSUW15P	White	N-female bulkhead

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