



HL1L2IRA-XSM-4-3 ANTENNA FAMILY

Lightweight Dual-Band GNSS Plus Iridium Helical Antenna

The HL1L2IRA-XSM-4-3 is a high performance, lightweight antenna designed for dual-band GNSS plus Iridium operation. This "air core" helical antenna offers right hand circularly polarized (RHCP) gain across the upper hemisphere. Frequency coverage includes L1/L2 GPS, L1/L2 GLONASS, L-Band Corrections, and Iridium.

The antenna includes an integrated SMA connector for easy mounting onto your device or platform. Optional accessories include flexible gooseneck adapters. The antenna is designed for rugged applications including military handheld, airborne, and ground vehicles.

This product is available with or without integrated amplification. Please contact us to discuss options.



BENEFITS

- High performance antenna for demanding applications
- Ultra lightweight design

FEATURES

- Right hand circularly polarized (RHCP) gain
- Dual-band GNSS coverage for assured position, navigation, and timing (PNT)
- Iridium compatibility
- Easy installation

ELECTRICAL

Frequency Range	
L1 GPS	1575.42 ± 12 MHz
L2 GPS	1227.60 ± 12 MHz
L-Band/Rx INMARSAT	1542.50 ± 17.5 MHz
L1 GLONASS	1598 - 1609 MHz
L2 GLONASS	1242 - 1252 MHz
IRIDIUM	1610 - 1626 MHz
VSWR	< 2.0:1
Impedance	50 ohms
Polarization	RHCP

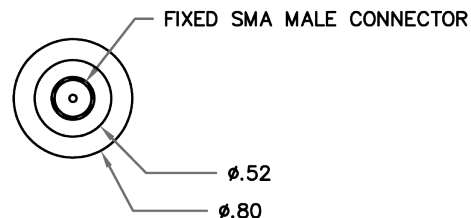
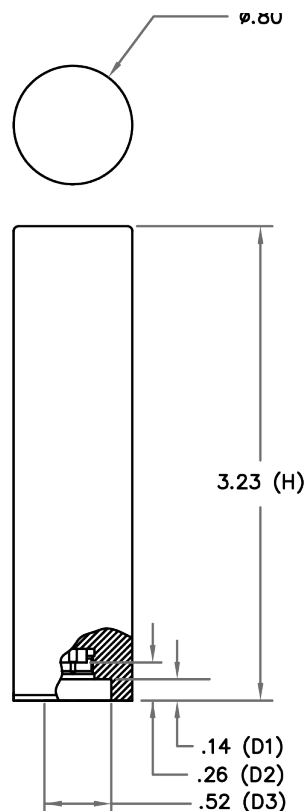
MECHANICAL & ENVIRONMENTAL

Designed to:

Weight	0.71 oz Typical
Temperature	-55°C TO +85°C
Altitude	70,000 ft
Vibration	> 30 Grms

ENCLOSURE

Color	Unpainted Black Ultem
Connector	SMA Male



CONTACT ANTCOM

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