

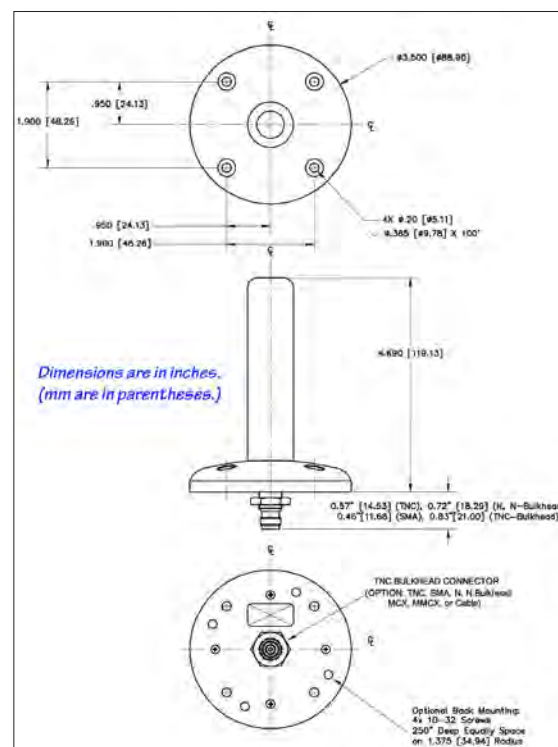
Iridium® Rod Antenna



Overview

The Iridium® Satellite Rod Antenna, passive L-band, is designed to operate with satellite modems and trackers. It provides continuous coverage from 1610 to 1626.5 MHz specifically for the Iridium® Network. Suitable for harsh environments & long term operation, it is also UV, impact, chemical & jet fuel resistant.

SPECIFICATIONS		
Specifications subject to change without notice		
MECHANICAL		
Dimensions	3.5" D x 4.69" H (8.89 cm x 11.91 cm)	
Weight	5.15 oz. (146 g)	
Finish	Skydrol Resistant Polyurethane Enamel and Base Iridite Per MIL-C-5441	
Color	Gloss White, Lusterless Gray, Olive Drab, Green, Lusterless Black	
Connector	TNC Female Connector (Option: TNC, SMA, N, N Bulkhead, MCX, MMCX or Cable)	
Material	6061-T6 Aluminum Alloy Base; Componsite Radome	
ENVIRONMENTAL		
Operating Temperature	-67°F to +185°F (-55°C to +85°C)	
Operating Altitude	70,000 ft (21 km)	
Vibration	> 30 G's	
Leakage	Hermetically Sealed	
ELECTRICAL		
Frequency	1610 to 1626.5 MHz	
Radiation Pattern	Hemispherical	
Polarization	Right Hand Circular	
VSWR	Less than 1.5:1	
Gain (dB)	90° Zenith +1.9 20° Elevation +0.9 45° Elevation +2.0	10° Elevation 0.0 30° Elevation +1.6 70° Elevation +2.0
Axial Ratio	2 dB	
Lightning Protection	DC Grounded	
Cable Loss between Antenna & Modem	Must be kept <3 dB	
Designed To: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810 and SAE J1455		
ORDERING		
1291-1031-T-W	Iridium Helix Antenna, TNC, White	
ACCESSORIES		
1291-1031-BKT	Iridium Helix Antenna Mounting Bracket	



Mounting Bracket

*subject to change without notice



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