AMC-ANT-MHF-1621A

MARUWA internal Iridium dielectric loaded antenna

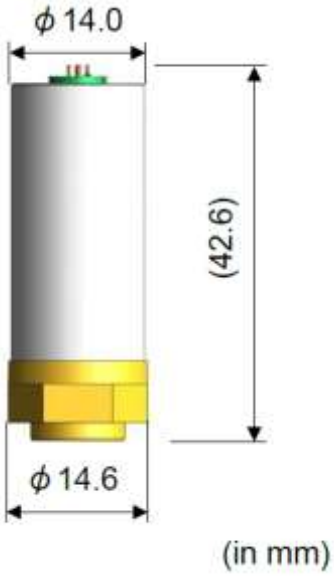
Features

- Designed for installation with 10mm gap from antenna side to host PCB ground plane
- Filters against interference from cellular and ISM bands
- Balanced design rejects common mode noise from ground plane
- SMA male connection to device PCB

The AMC-ANT-MHF-1621A dielectric-loaded decafilar-helix antenna from MARUWA uses Sarantel's distinctive materials technology to provide the highest available efficiency in a small size. The dielectric core together with the fly-wheeling effect of the advanced decafilar helical design provides excellent beam width and low elevation gain, which is maintained in relatively cluttered use scenarios. The AMC-ANT-MHF-1621A acts as its own filter, attenuating signals from common cellular and ISM frequencies by as much as 30dB.

Suggested Applications

- Iridium satellite telephones
- Iridium messaging terminals
- Logistics management
- Research buoys
- Asset tracking/messaging
- Emergency location
- Disaster communications



Design Specifications	Typical	Units
Frequency	1621.0	MHz
Gain (RHCP)	+2.0	dBic at zenith
Beamwidth	>135	Degrees
Bandwidth	20	MHz
Axial Ratio	<1.5	at zenith
VSWR	<2.0:1	-
Impedance	50	Ohms
Operating Temp	-40→+85	℃
Weight	27	grams