

AMC-ANT-MHF-1621B

MARUWA rugged Iridium dielectric loaded antenna

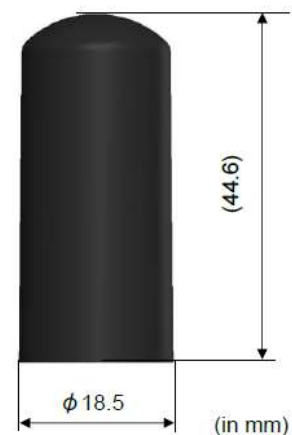
Features

- Highest available efficiency per unit of volume
- Excellent beamwidth and low elevation gain
- Relatively unimpaired by cluttering objects
- Designed for harsh environments exposed to force, dust and moisture
- Base flange groove for O-ring water seal

The rugged AMC-ANT-MHF-1621B antenna from MARUWA uses Sarantel's distinctive technology. It is a durable elastomeric-plastic over-moulded and dielectric-loaded decafilax-helix antenna which uses MARUWA'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 decafilax helical design provides excellent beamwidth and low elevation gain, which is maintained in relatively cluttered use scenarios. The AMC-ANT-MHF-1621B 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	°C
Weight	29	grams

