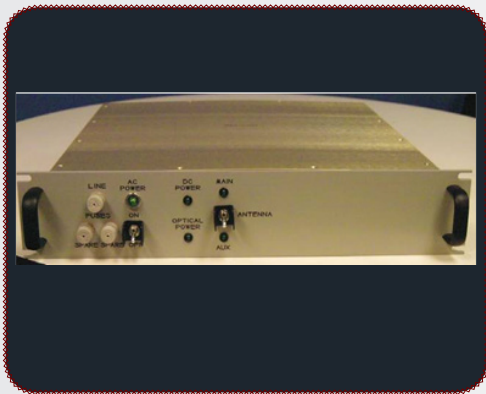


Fiber Optic Antenna Link

BACKGROUND INFORMATION

Brief Description: Fiber Optic Antenna Link (FOAL) Receiver Module converts the fiber optic signal from the GPS Antenna to an RF signal that is fed to the GPS Receiver for processing.

This rack mounted assembly also provides five additional Analog GPS RF outputs for external system users.



Completed Assembly



Top View Open

Specifications

- Optical Input: 1310 nm
- Output Frequency Range:
1.2 – 1.6GHz
- Noise Figure: ≤ 38 dB
- Link Loss: ≤ -30 dBm (RF)
- Input: Optical RF
- Output: RF
- Meets MIL-S-901D &
MIL-STD-461
- Voltage: 115 VAC, 60 Hz
- Dimensions: 19.0"W x 16.1"
D x 3.47"H
- Weight: 15#
- MTBF: 73,000 hours

Features:

Manufacturer: Micro USA, Inc. |

Cage Code: 02UU8

Part Number Options:

1. 0208528-1 – BMD FOAL
a.NSN: 6030-01-533-7711
2. 0214926 – FRPA FOAL
a.NSN: 6030-LL-H7D-1331
3. 0214929 – CRPA FOAL
a.NSN: TBD