

RST740 ANTENNA

The Active/Powered Iridium antenna RST740 is designed for Land and Maritime applications specifically for use where long cable runs are required to reach between the required antenna location and the terminal.

Iridium Beam Active Antenna RST740



Technical Specifications

| GENERAL | | |
|---------------------------|---------------------------------------|---------------------|
| Input Voltage | 9-36 VDC | |
| Impedance | 50 Ohms | |
| DC Peak Power Draw | 30W | |
| DC RMS Power Draw | 3.2W | |
| DC RMS Standby Power Draw | 0.32W | |
| Active Antenna Cable Loss | 11.5 - 13.5dB (total end to end loss) | |
| FREQUENCY | | |
| Iridium | 1616.0 - 1626.5 MHz | |
| ENVIRONMENTAL | | |
| Extreme rain exposure | 37 mm/10 min; 145 mm/24 h | |
| Extreme snow exposure | 3,0kN/m2 | |
| Wind | 35 m/s | |
| Temperature | Degrees °C | Degrees °F |
| Storage | -40 to +80 | -40 to +176 |
| Operational | -25 to +55 | -13 to +131 |
| PHYSICAL | | |
| Dimensions | mm | inches |
| Antenna | 208.5 H x 142.4 Dia | 8.21 H x 5.61 Dia |
| Box | 260 x 210 x 170 | 10.24 x 8.27 x 6.69 |
| Weight | kgs | lbs |
| Antenna | 0.51 | 1.125 |
| Box | 2.22 | 4.89 |
| CONNECTOR | | |
| Iridium | TNC Female | |

Where an installation exceeds 20m/60ft it becomes more cost effective to use an Active/Powered Iridium antenna that allows much thinner and cheaper cable to run up to 100m/300ft where this would never be possible with a passive Iridium antenna. The Active Antenna RST740 will work on all Beam products and any Iridium devices, however requires an approved Beam Active Antenna cable for use in order to manage the power amplification across the RF line to the antenna.

KEY FEATURES

- Iridium approved
- High quality enclosure
- Active antenna
- Pole/Mast mounting
- White small size/footprint
- Omni directional
- Supports long cable runs
- Power breakout box included (required 9-32 VDC)
- 12 month repair or replacement warranty

Accessories

| | |
|--------|-----------------------------------------------|
| RST944 | Iridium Beam Active Cable Kit - 23m/75.5ft |
| RST945 | Iridium Beam Active Cable Kit - 34m/111.5ft |
| RST923 | Iridium Beam Active Cable Kit - 52m/170.6ft |
| RST927 | Iridium Beam Active Cable Kit - 75m/246.1ft |
| RST948 | Iridium Beam Active Cable Kit - 104m/341.21ft |

APPLICATIONS



MARITIME



REMOTE



IN-BUILDING