

# 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