

RST703 ANTENNA

The Beam RST703 is a dual mode Iridium and GPS patch antenna, designed predominantly for land and asset monitoring applications.

Iridium Beam Patch Dual Mode Antenna RST703

Technical Specifications



The RST703 dual mode patch antenna is supplied complete with bulkhead mount that enables it to be securely mounted without the connectors being exposed to the environment. The Beam RST703 dual mode patch antenna is fitted with an SMA female connector for GPS and a TNC for Iridium and will work with all Beam tracking products or other Iridium/GPS based devices.

KEY FEATURES

- Iridium approved
- Designed for harsh environments
- Small and lightweight
- Weatherable polymer
- Manufactured in the USA
- 12 month repair or replacement warranty

APPLICATIONS



TRANSPORT



MINING



EMERGENCY

GENERAL		
Antenna	Iridium	GPS
Polarization	Right Hand Circular	Right Hand Circular
Axial Ratio	3dB Max	3dB Max
Amplifier Gain	Passive	L1: 26dB (35mA)
Voltage	Passive	L1: 3 VDC
Noise Figure	2.5dB Max	2.5dB Max
Impedance	50 Ohms	50 Ohms
VSWR	≤ 2.0 : 1	≤ 2.0 : 1
Altitude	6,000m/20,000ft	6,000m/20,000ft
Power Handling	10 Watts	
FREQUENCY		
Iridium	1621 ± 5MHz	
GPS	1575 ± 5MHz	
ENVIRONMENTAL		
Temperature	Degrees °C	Degrees °F
Operating	-55 to +85	-67 to +185
PHYSICAL		
Colour	White	
Finish	Weatherable Polymer	
Dimensions	mm	inches
Antenna	87.3 x 55.6 x 19.5	3.44 x 2.19 x 0.77
Weight	kgs	lbs
Antenna	0.127	0.28
CONNECTORS		
Iridium	TNC Female	
GPS	SMA Female	

Accessories

RST942	Iridium Beam GPS Cable Kit - 6m/19.7ft
RST929	Iridium Beam GPS Cable Kit - 9m/29.5ft
RST923	Iridium Beam GPS Cable Kit - 12m/39.4ft
RST927	Iridium Beam GPS Cable Kit - 20m/65.6ft
RST941	Iridium Beam GPS Cable Kit - 30m/98.4ft
RST932	Iridium Beam Passive Antenna Cable Kit - 6m/19.7ft
RST930	Iridium Beam Passive Antenna Cable Kit - 9m/29.5ft
RST933	Iridium Beam Passive Antenna Cable Kit - 12m/39.4ft
RST935- RST936	Iridium Beam Passive Antenna Cable Kit - 20-30m/65.6-98ft