

The Beam RST600B uses the latest Iridium 9522B L-Band transceiver, the RST600B is a stand-alone module that provides access anywhere on earth to all of the Iridium data services.

The RST600B is supplied with a robust mounting bracket for flexible installation into a wide variety of applications, alternatively the transceiver module can be installed without the bracket for a more compact installation.

The terminal is supplied with cable assemblies to support either a standard or compact installation making it very easy to supply power to the terminal as well as accessing the RS232 D9 serial data connection.



Loggers



## **Key Features**

- Compact Installation
- Various mounting options
- Cables included in kit
- In-built 4.0 32V DC supply
- AC 110/240V Plug Pack
- Full Hayes comatible AT Command set
- RS232 D9 Serial interface
- Continuous Circuit Switched Data
- SBD & SMS
- Fully Certified
- Pass through GPS Signal



Access

Controllers



## **TECHNICAL SPECIFICATIONS**

Main Input Voltage $+4.0 \text{ VDC to } +32 \text{ VC}$ Main Input Voltage       Ripple 40mV peak to peak         Consumption at +5VDC       Input Standby current (average) $250m$ Max current during call $2.50m$ Typical current during call $800m$ Power Average - Voice / Data Call $40m$ RF CHARACTERISTICS $40m$ Average power during a transmit slot (max) $70m$ Average Power during a frame (typical) $0.60m$ Receiver Sensistivity at $50\Omega$ (typical) $-118.5dB$ Receiver Spurious Rejection at offsets > $0.60m$ $0.60m$ 1 MHz (typical) $0.60m$ Frequency Range $0.60m$ 1 DD (Time Domain Duplex) $0.60m$ Oscillator Stability $0.60m$						
Main Input Voltage       Ripple 40mV peak to peak         Consumption at +5VDC       250m         Input Standby current (average)       250m         Max current during call       2.5         Typical current during call       800m         Power Average - Voice / Data Call       40         RF CHARACTERISTICS       40         Average power during a transmit slot (max)       70         Average Power during a frame (typical)       0.60         Receiver Sensistivity at 50Ω (typical)       -118.5dB         Receiver Spurious Rejection at offsets > 1 MHz (typical)       60c         Frequency Range       1616 MHz to 1626.5 MHz         Duplexing Method       TDD (Time Domain Duplex)         Oscillator Stability       ± 1.5 ppm	POWER SPECIFICATIONS					
Consumption at +5VDC         Input Standby current (average)       250m         Max current during call       800m         Typical current during call       800m         Power Average - Voice / Data Call       40         RF CHARACTERISTICS         Average power during a transmit slot (max)       70         Average Power during a frame (typical)       0.60         Receiver Sensistivity at 50Ω (typical)       -118.5dB         Receiver Spurious Rejection at offsets > 1 MHz (typical)         Frequency Range       1616 MHz to 1626.5 MHz         Duplexing Method       TDD (Time Domain Duplex)         Oscillator Stability	Main Input Voltage Range		+4.0 VDC to +32 VDC			
Input Standby current (average)  Max current during call  Typical current during call  Power Average - Voice / Data Call  RF CHARACTERISTICS  Average power during a transmit slot (max)  Average Power during a frame (typical)  Receiver Sensistivity at 50Ω (typical)  Receiver Spurious Rejection at offsets > 1 MHz (typical)  Frequency Range  1616 MHz to 1626.5 MHz  Duplexing Method  Oscillator Stability  2.5  40  40  40  40  40  41  41  41  41  41	Main Input Voltage		Ripple 40mV peak to peak			
Max current during call       2.5         Typical current during call       800m         Power Average - Voice / Data Call       40         RF CHARACTERISTICS       40         Average power during a transmit slot (max)       70         Average Power during a frame (typical)       0.60         Receiver Sensistivity at 50Ω (typical)       -118.5dB         Receiver Spurious Rejection at offsets > 1 MHz (typical)       60c         Frequency Range       1616 MHz to 1626.5 MHz         Duplexing Method       TDD (Time Domain Duplex)         Oscillator Stability       ± 1.5 ppm	Consumption at +5VDC					
Typical current during call 800m  Power Average - Voice / Data Call 4  RF CHARACTERISTICS  Average power during a transmit slot (max)  Average Power during a frame (typical) 0.60  Receiver Sensistivity at 50Ω (typical) -118.5dB  Receiver Spurious Rejection at offsets > 60c  1 MHz (typical)  Frequency Range 1616 MHz to 1626.5 MHz  Duplexing Method TDD (Time Domain Duplex)  0 scillator Stability ± 1.5 ppm	Input Standby current (average)		250mA			
Power Average - Voice / Data Call  RF CHARACTERISTICS  Average power during a transmit slot (max)  Average Power during a frame (typical)  Receiver Sensistivity at 50Ω (typical)  Receiver Spurious Rejection at offsets > 1 MHz (typical)  Frequency Range  1616 MHz to 1626.5 MHz  Duplexing Method  TDD (Time Domain Duplex)  ± 1.5 ppm	Max current during call		2.5A			
RF CHARACTERISTICS  Average power during a transmit slot (max)  Average Power during a frame (typical)  Receiver Sensistivity at 50Ω (typical)  Receiver Spurious Rejection at offsets > 1 MHz (typical)  Frequency Range  1616 MHz to 1626.5 MHz  Duplexing Method  TDD (Time Domain Duplex)  Oscillator Stability  ± 1.5 ppm	Typical current during call		800mA			
Average power during a transmit slot (max)  Average Power during a frame (typical)  Receiver Sensistivity at 50Ω (typical)  Receiver Spurious Rejection at offsets > 60c of 1 MHz (typical)  Frequency Range  1616 MHz to 1626.5 MHz  Duplexing Method  TDD (Time Domain Duplex)  ± 1.5 ppm	Power Average - Voice / Data Call		4W			
(max)       Average Power during a frame (typical)       0.6\text{N}         Receiver Sensistivity at 50Ω (typical)       -118.5dB         Receiver Spurious Rejection at offsets > 1 MHz (typical)       60c         Frequency Range       1616 MHz to 1626.5 MHz         Duplexing Method       TDD (Time Domain Duplex)         Oscillator Stability       ± 1.5 ppm	RF CHARACTERISTICS					
Receiver Sensistivity at 50Ω (typical)   -118.5dB	5 ,		7W			
Receiver Spurious Rejection at offsets > 60c  1 MHz (typical)  Frequency Range 1616 MHz to 1626.5 MHz  Duplexing Method TDD (Time Domain Duplex)  Oscillator Stability ± 1.5 ppm	Average Power during a frame (typical)		0.6W			
1 MHz (typical)  Frequency Range 1616 MHz to 1626.5 MHz  Duplexing Method TDD (Time Domain Duplex)  Oscillator Stability ± 1.5 ppm	Receiver Sensistivity at 50Ω (typical)		-118.5dBm			
Duplexing Method TDD (Time Domain Duplex)  Oscillator Stability ± 1.5 ppm	·		60dB			
Oscillator Stability ± 1.5 ppm	Frequency Range	1616 MHz to 1626.5 MHz				
	Duplexing Method	TDD (Time Domain Duplex)				
Innut /Output Impedance 500	Oscillator Stability	± 1.5 ppm				
input/Output impedance 3002	Input/Output Impedance	50Ω				
Multiplexing Method TDMA / FDMA	Multiplexing Method	TDMA / FDMA				

PHYSICAL SPEC	IFICATIONS	w/o BRACKET	w/BRACKET		
Dimensions - mm		162 x 81 x 28	185 x 81 x 30		
Dimensions - incl	nes	6.4 x 3.2 x 1.1	7.3 x 3.2 x 1.2		
Weight - kg		420g			
Weight - lbs		0.93lbs			
ACCESSORIES					
RST710	Mast Mount Antenna				
RST715	Magnetic Mount Antenna (incl. 5m Cable)				
RST720	Bolt Mount Antenna (incl. 5m Cable)				
RST932	6m Iridium Antenna Cable				
RST933	12m Iridium AntennaCable				
KIT CONTENTS					
9522B Iridium Transceiver					
Mounting Bracket with mounting holes & D25 Connection					
Data & Power Interface cable assembly to support D25 Connection					
Data & Power Interface cable for use in a compact installation					
DC Power Cable					
User manual in hard copy					
AC Mains/12VDC Plug Pack					
Beam Starter CD including AT command set					

## **INSTALLATION OVERVIEW**











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