

Iridium 9522B L-Band Transceiver

9522B



Voice



Data



SBD



The latest Iridium 9522B L-Band transceiver is a stand-alone module that provides developers a module that can be integrated into application based equipment or dedicated terminal developments.

The 9522B LBT is intended for incorporation into a final Iridium application / product that would supply power to the unit as well as the appropriate data and or voice interface.

Data applications are also supported through an RS-232 serial interface and the 9522B uses the DPL bus for digital voice communications.

Key Features

- ▶ Hayes compatible AT Command Set
- ▶ RS232 D9 Serial Interface
- ▶ 26-pin IDC connector
- ▶ Global Coverage
- ▶ Continuous Circuit Switched Data
- ▶ Short Burst Data
- ▶ 4.0 - 32V DC Power Input limits
- ▶ Cable Assembly required
- ▶ Fully Certified



Access
Controllers



Data Applications



Alarm/
Monitoring
Systems



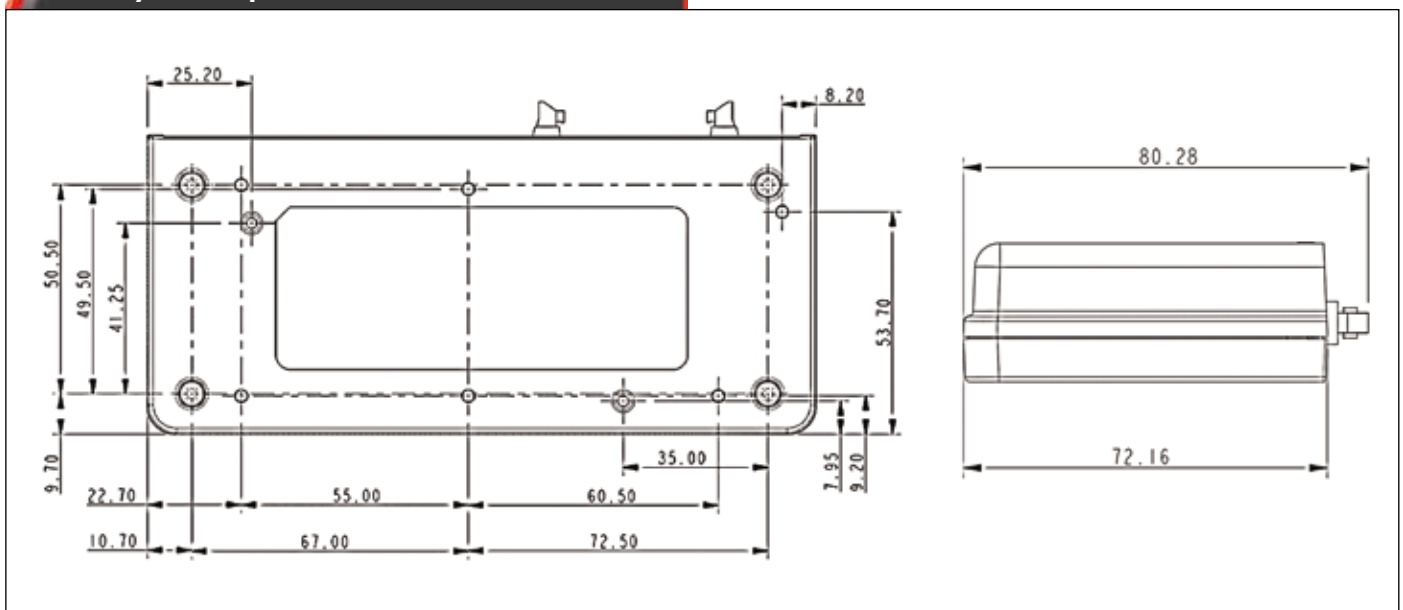
Loggers

Technical Specifications

POWER INPUT SPECIFICATION & CONSUMPTION	
Main Input Voltage Range	+4.0 VDC to +32 VDC
Main Input Voltage	Ripple 40mV peak to peak
Consumption at +5VDC	
Input Standby current (average)	250mA
Max current during call	2.5A
Typical current during call	800mA
Power Average - Voice / Data Call	4W
RF CHARACTERISTICS	
Average power during a transmit slot (max)	7W
Average Power during a frame (typical)	0.6W
Receiver Sensitivity at 50Ω (typical)	-118.5dBm
Receiver Spurious Rejection at offsets > 1 MHz (typical)	60dB
Frequency Range	1616 MHz to 1626.5 MHz
Duplexing Method	TDD (Time Domain Duplex)
Oscillator Stability	± 1.5 ppm
Input/Output Impedance	50Ω
Multiplexing Method	TDMA / FDMA

PHYSICAL SPECIFICATIONS	VALUE
Dimensions - mm	162 x 81 x 28
Dimensions - inches	6.4 x 3.2 x 1.1
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 Antenna Cable
APPLICATIONS	
Developers	
Integrators	
Alarm / Monitoring Systems	
Loggers	
Access Controllers	
Data Applications	

Physical Specification



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