Iridium 9522B L-Band Transceiver

The 9522B is Iridium's 2nd-generation satellite transceiver for truly global voice and data communications. It is ideal for sending and receiving voice and data from equipment everywhere on the planet.

Iridium L-Band Transceiver 9522B LBT9522B

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

- Ultra compact form factor
- 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

data voice sbd sim

APPLICATIONS


Loggers


Data Applications


Access Controllers

BEAM®

iridium®

Technical Specifications

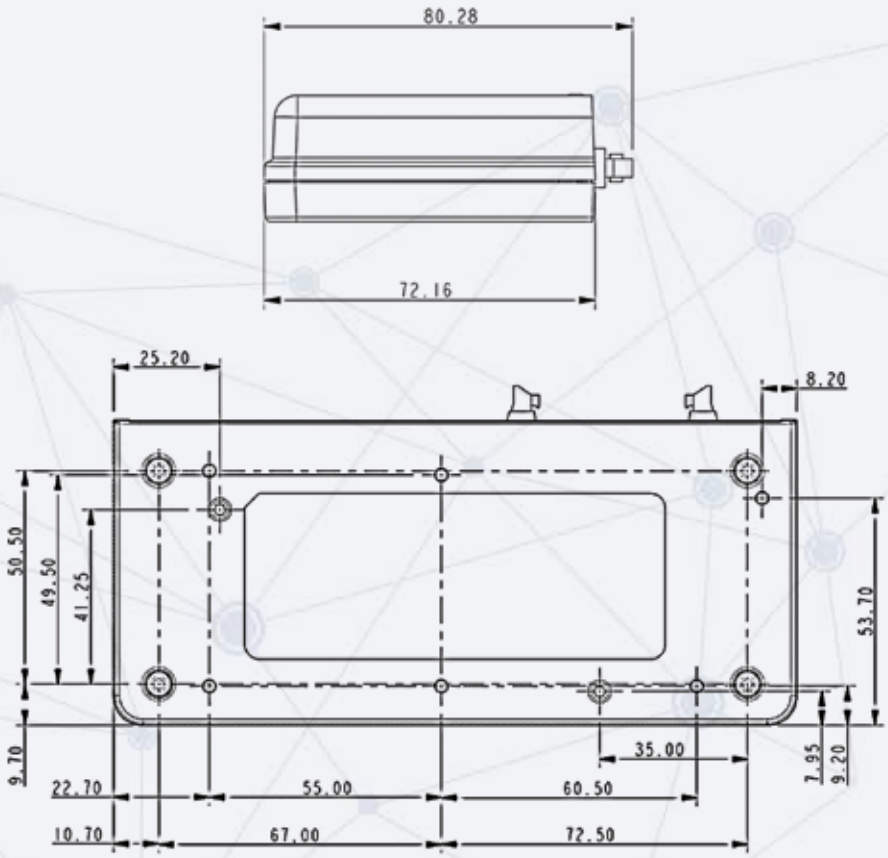
PHYSICAL		
Dimensions	**mm**	**inches**
Transceiver	81 x 28 x 162	3.19 x 1.10 x 6.38
Weight	**kgs**	**lbs**
Transceiver	0.420	0.925

POWER INPUT SPECIFICATIONS & CONSUMPTION	
Power Average - Voice/Data Call (see note)	4W
Typical current during call (see note)	800mA
Max current during call	2.5A
Input Standby current (average)	250mA
Main Input Voltage - Consumption at +5VDC	40mV peak to peak
Main Input Voltage Range	+4.0V DC to +32V DC

ENVIRONMENTAL		
Temperature	**Degrees °C**	**Degrees °F**
Operating Temperature	-30° to +60°	-22° to +140°
Storage Temperature	-40° to +85°	-40°to +185°
Operating Humidity	25 to 75% RH	
Storage Humidity Range	≤ 93% RH	

RF CHARACTERISTICS	
Multiplexing Method	TDMA / FDMA
Input/Output Impedance	50 Ohms
Oscillator Stability	± 1.5 ppm
Duplexing Method	TDD (Time Domain Duplex)
Frequency Range	**1616 MHz to 1626.5 MHz**
Receiver Spurious Rejection at offsets > 1 MHz (typical)	60dB
Receiver Sensistivity at 50Ω (typical)	-118.5dBm
Average Power during a frame (typical)	0.6W
Average power during a transmit slot (max)	**7W**

Physical Specifications



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