

9522B

L-BAND TRANSCEIVER



9522B L-Band Transceiver

The 9522B L-Band Transceiver (LBT) is designed as a core OEM transceiver module that is incorporated into a final Iridium subscriber product. The complete product would include other components such as user interface features (keypad, display, microphone, and speaker) for voice applications. The Iridium subscriber products are microprocessor based with an external power supply and antenna. Voice applications are supported via a digital DPL bus and data applications are supported by a RS-232 serial interface. The LBT is available exclusively to Iridium Value Added Manufacturers (VAM) and Value Added Resellers (VAR).



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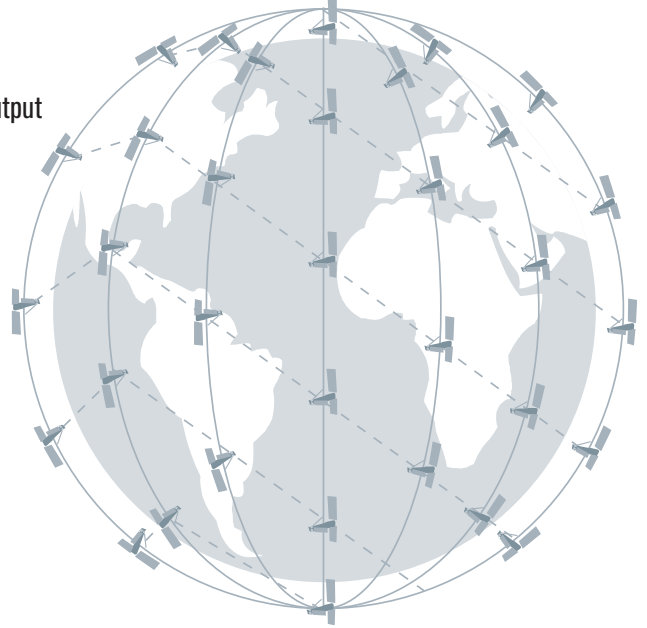
L-BAND TRANSCEIVER

Key Features

- Single 26 pin IDC Connector providing connections for:
 - Power
 - On/Off Control
 - Analog & Digital Audio Interface including microphone input and speaker output
 - RS232 9-wire Interface
- Integrated SIM Card Reader
- Enhanced AT Command Support
- SMA Antenna Connector
- FCC, IC and CE approved
- RoHS models available
- GPS antenna feed through connector

Capabilities:

- Voice Service
- Circuit Switched Data Services
- Short-Burst Data (SBD) Service
- Short Message Service (SMS)
- Low uniform global latency
- Global coverage



Technical Specifications

Mechanical

Length:	6.38" (162 mm)
Width:	3.16" (81.0 mm)
Depth:	1.10" (28.0 mm)
Weight (approximate):	.925 pounds (420 g)

Environmental

Operating Temperature Range:	-30°C to +60°C
Operating Humidity Range:	< 75% RH
Storage Temperature Range:	-40°C to +85°C
Storage Humidity Range:	< 93% RH

RF Interface

Iridium limits distribution of the Transceiver equipment to approved VAMs and VARs.

Specifications are subject to change without notice. Additional information to that contained herein may be required in order to fully develop an operational unit incorporating the 9522B. The specifications provided here are for informational purposes only.

Frequency range:

Duplexing method:	1616MHz to 1626.5MHz TDD (Time Domain Duplex)
Oscillator stability:	± 1.5ppm
Input/output impedance:	50 Ohms
Multiplexing method:	TDMA/FDMA

DC Power Input

Main input voltage – range:	+4.0 VDC to +32.0 VDC
Main input voltage – nominal:	4.4 VDC
Main input voltage – ripple:	40 mVpp
Peak input current (maximum):	2.5 A @ 4.4 VDC
Main input active power (average):	2200 mW



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