

9602N

- Iridium® communications transceiver
- Rugged and dependable design



The Iridium® 9602N transceiver leverages Iridium's low-latency SBD service and provides truly global coverage. The 9602N is designed to be integrated into wireless data applications with other host system's hardware and software to produce a complete telemetry solution. The 9602N meets the regulatory requirements for FCC, Canada and CE assuming an antenna with a gain of ~3 dBi and adequate shielding is used.



TECHNICAL SPECIFICATIONS

PHYSICAL

Dimensions	41 mm x 45 mm x 13 mm
Weight	30 g

RADIO FREQUENCIES

Operating Frequency	1616 to 1626.5 MHz
Duplexing Method	Time division duplex
Input/Output Impedance	50 Ω
Multiplexing Method	TDMA/FDMA

ENVIRONMENTAL

Operating Temperature	-40°C to +85°C
Operating Humidity	\leq 75% RH
Storage Temperature	-40°C to +85°C
Storage Humidity	\leq 93% RH

DATA ID/O

MO Message Size	340 bytes/message
MT Message Size	270 bytes/message

ELECTRICAL

Input Voltage	5.0 V +/- .5 V DC
Input Ripple	< 40 mVpp
Idle Current Avg.	35 mA
Idle Current Peak	170 mA
Transmit Current Avg.	140 mA
Transmit Current Peak	1.3 A
Receive Current Avg.	40 mA
Receive Current Peak	170 mA
SBD Message Transfer Avg. Current	150 mA
SBD Message Transfer Avg. Power	< 0.8 W



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