



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Pacific Marine Environmental Lab | EcoFOCI
7600 Sand Point Way NE, Seattle, WA 98115

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Iridium 9523 RF modem satellite transceiver module Specifications Sheet

Dimensions 70.44 mm X 36.04 mm (L x W)

Reservoir Capacitors 14.6 mm (H)

Screen Can 8.9 mm (H)

Weight 32.0 g

VBAT Input Nominal Voltage 3.7V

VBAT Input Input Specs 3.2V to 6V

VBAT Input Max Current 500 mA

VBOOST Input Nominal Voltage 27V

VBOOST Input Max Voltage 35V

VBOOST Input Max Current 1 A

VBOOST Avg. Consumption 2.3 W

VBOOST Max Consumption 3.1 W

Frequency Range 1616 to 1626.5 MHz

Duplexing Method TDD (Time Domain Duplex)

Input/Output Impedance 50Ω

Multiplexing Method TDMA/FDMA

Operating Temperature - 30C to + 70C

Operational Humidity $\leq 75\%$ RH

Storage Temperature - 40C to + 85C

Storage Humidity $\leq 93\%$ RH

Regulatory Standards and Compliance US (FCC), EU (CE Mark)

Single board transceiver

Direct PCB Integration

Mobile originated SBD message size 1960

Mobile terminated SBD message size 1890,

Iridium Voice

Iridium Push-to-Talk

Circuit Switched Data