

9523

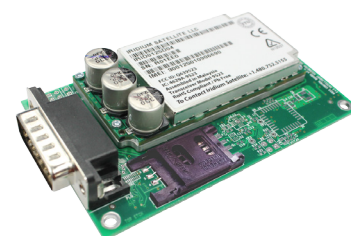
- Iridium® Core transceiver
- Rugged and dependable design

metOcean™
telematics

iridium®



The Iridium® Core 9523 transceiver module is the Iridium's smallest and lightest voice and data satellite transceiver module ever. Over 90% more compact than the 9522B module, it features standardized connectors, making integration into innovative new devices and solutions easier than ever.



TECHNICAL SPECIFICATIONS

PHYSICAL	2.77" x 1.41" x 0.57"
Dimensions	70.4 mm x 36 mm x 14.6 mm
Weight	32 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	-30°C to +70°C
Operating Humidity	≤ 75% RH
Storage Temperature	-40°C to +85°C
Storage Humidity	≤ 93% RH

DATA ID/O	
MO Message Size	1960 bytes/message
MT Message Size	1890 bytes/message

ELECTRICAL	
Voltage Limits	+3.2 V to +6 V
Maximum Current	500 mA
• VBOOST Typical Current at +3.7V	
Standby Current	70 mA
Peak Current During Call	300 mA
Average Current During Call	110 mA
• VBOOST Power Input	
Nominal Voltage	+27 V
Maximal Current	1 A
• VBOOST Power Consumption	
Average Power During Call	2.3 W

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