Overview

The 30693 is an Iridium 9522B satellite transceiver, providing global two-way communications to a remote station over the Iridium satellite network. The device ships with a SIM card ready for activation and a mounting bracket. A COM9522B modem interface is used to easily connect this transceiver to a computer or Campbell Scientific data logger.

The 9522B may be ordered individually or preferably as part of the IRIDIUM9522B Satellite Modem and Interface Kit.

Detailed Description

This device is a component of the IRIDIUM9522B Satellite Modem and Interface Kit.

A COM9522B Iridium Satellite Modem Interface is used to supply power to this device and to connect it to a computer or data logger.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>-30° to +70°C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>25% to 75%</td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>-40° to +85°C</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>93% (max)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>16.2 x 8.1 x 2.8 cm (6.4 x 3.2 x 1.1 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>~420 g (14.8 oz)</td>
</tr>
<tr>
<td>Off State Power Supply</td>
<td>20 uA</td>
</tr>
<tr>
<td>Transmission Current</td>
<td>500 mA @ 12 Vdc</td>
</tr>
<tr>
<td>Operating Current</td>
<td>4 to 32 Vdc (333 mA @ 12 Vdc)</td>
</tr>
<tr>
<td>Standby Current</td>
<td>125 mA @ 12 Vdc</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>1616 to 1626.5 MHz</td>
</tr>
<tr>
<td>Duplexing Method</td>
<td>TDD (Time Domain Duplex)</td>
</tr>
<tr>
<td>Oscillator Stability</td>
<td>±1.5 ppm</td>
</tr>
<tr>
<td>Input/Output Impedance</td>
<td>50 ohm</td>
</tr>
<tr>
<td>Multiplexing Method</td>
<td>TDMA/FDMA</td>
</tr>
</tbody>
</table>

For comprehensive details, visit: www.campbellsci.com/30693