# antenova



# GPS RADIONOVA® M10214-A1 **RF Antenna Module**

Antenova's GPS RADIONOVA® M10214-A1 RF Antenna Module is the world's first single package solution to combine RF and passive antenna on the same module. The GPS RADIONOVA® M10214-A1 is a flash based highly integrated GPS RF Antenna Module suitable for L1-band GPS and A-GPS systems. The device is based on the high performance SiRFstarIII<sup>™</sup> GPS architecture combined with Antenova's high efficiency complementary antenna technology.

All front-end components are contained in a single package laminate base module for optimum performance. The GPS RADIONOVA® M10214-A1 operates on a single 3.6V positive bias supply with low power consumption and available low power modes for further power savings. M10214-A1 is supported by SiRF stand alone software and uses a UART as the host processor interface.

Providing a true drop in solution with the antenna and RF in a single package, GPS RADIONOVA® M10214-A1 offers ease of integration and shorter design cycles for faster time to market.

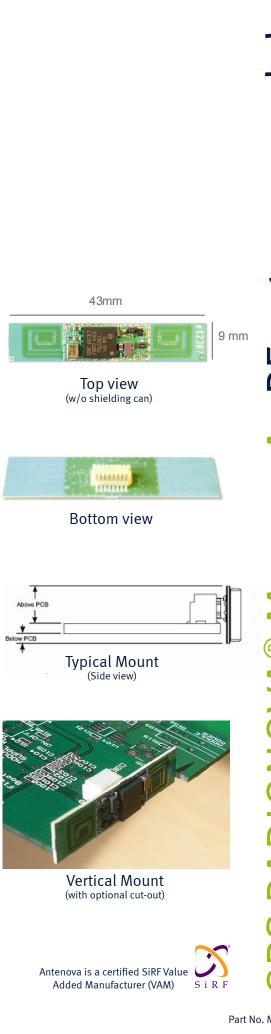
#### **Applications:**

- Personal Navigation Devices (PNDs)
- Portable Media Players (PMPs)
- Personal Digital Assistants (PDAs)
- Feature phones and Smart Phones

#### Features:

- Low cost single package RF Antenna Module
- SiRFstarIII<sup>™</sup> GPS Chipset Architecture
- Low current consumption
- Built-in filter allows co-existence with GSM/ CDMA/WCDMA/WLAN/BT
- Resistant to de-tuning

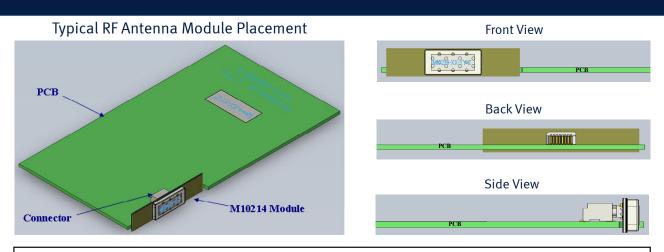
# Integrated Antenna and RF Solutions

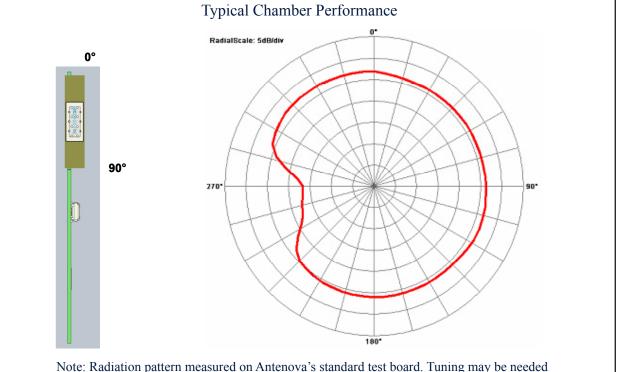


## electrical

### mechanical

Frequency: Supply Voltage	1575 MHz 3.6V	Dimensions :	43 x 9 x 4mm (w/metal enclosure)
Suppy Current:	30mA		
Hibernate Current:	30 uA	Mounting:	Vertical mount / low profile
COM Interface:	UART		connector
Output Protocol:	SiRF Binary / NMEA 0183		
Temperature:	-40°C to +85°C	Groundplane:	20 x 40mm min





in product integration to adjust radiation pattern.

# antenova®

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