



RF-2125

BAS RF Module



SPECIFICATIONS

Frequency Range

2025 - 2145 MHz

RF Modulation

OFDM (64QAM, 16QAM, QPSK, BPSK)

Antenna Chains

3 Independent RF Chains

TX/RX Operating Modes

All MIMO modes from SISO to 3x3

Channel Bandwidth

5, 10, and 20 MHz

Software Configurable

Peak TCP Throughput

150 Mbps at 20 MHz Channel

MIMO Techniques

Maximal Ratio Combining

Space-Time Block Coding

Spatial Multiplexing

Max. Aggregate Transmit Power

6W (2W per RF Chain)

Antenna Ports

(3) SMP (50 Ohms)

TX Power Control

33 to 16.5 dBm, 0.5 dB per step

Power Control Accuracy

+/- 2 dB

Frequency Accuracy

+/- 4 ppm, max.

Minimum Receiver Sensitivity

-95 dBm at 5 MHz bandwidth, BPSK

Max. RF Input

-5 dBm, min.

Max. RF Input without Damage

+10 dBm, min.

Max. Peak Power Consumption, TX

30.8W

Power Consumption, RX

4W

Operating Temperature

-40°C to +85°C

ESD Protection

+/- 8KV Contact discharge, per IEC 6100-4-2

+/- 15KV Air discharge, per IEC 61000-4-2

Dimensions

3.8 x 2.6 x 0.5 in.

9.7 x 6.6 x 1.3 cm

Weight

4.7 oz.

133 g

NO NDA REQUIRED

© 2006 - 2022 Persistent Systems, LLC. All rights reserved. The Wave Relay® logo, the Persistent Systems, LLC logo and other designated trademarks and trade names are the property of Persistent Systems, LLC or their respective owners. Product specifications are subject to change without notice. This material is provided for informational purposes only; Persistent Systems, LLC assumes no liability related to its use and expressly disclaims any implied warranties of merchantability or fitness for any particular purpose.

The export and/or the release of certain products, technology and software to non-US persons might be subject to export restrictions. Please refer to the US export laws & regulations for details.