RF-2125
BAS Interchangeable Frequency 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 61000-4-2
+/- 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
4.6 oz.
130 g

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