



# RF-5100

## Upper C-Band Interchangeable Frequency Module



### SPECIFICATIONS

**Frequency Range**

5100 - 5945 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**

4W (1.3W per RF Chain)

**Antenna Ports**

(3) SMP (50 Ohms)

**TX Power Control**

31 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**

-10 dBm

**Max. RF Input without Damage**

+10 dBm

**Max. Peak Power Consumption, TX**

50W

**Power Consumption, RX**

2.5W

**Operating Temperature**

-40°C to +85°C

**ESD Protection**

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

**FCC Certification**

FCC Part 15, Subpart B

FCC Part 15, Subpart E, 15.407, for UNII band I and III

**Japan Type Certification**

Article 2, Paragraph 1, Item 72

Category RB (Unmanned Mobile Image Transmission System)

**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



**RELEASABLE**