



## RF-1150

### High Power L-Band RF Module



## SPECIFICATIONS

### Frequency Range

1350 - 1390 MHz

### RF Modulation

OFDM (64QAM, 16QAM, QPSK)

### 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

10W (3.3W per RF Chain)

### Antenna Ports

(3) SMP (50 Ohms)

### TX Power Control

35 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, QPSK

### Max. RF Input

-20 dBm

### Max. RF Input without Damage

+10 dBm

### Max. Peak Power Consumption, TX

TBD

### Power Consumption, RX

TBD

### Operating Temperature

-40°C to +85°C

### ESD Protection

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

### Dimensions

3.8 x 2.6 x 0.5 in.

9.7 x 6.6 x 1.3 cm

### Weight

4.3 oz.

122 g

## NO NDA REQUIRED

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