



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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