

## Applications

- Bluetooth
- 3G/ 4G Cellular
- FM Radio
- Ultra Wideband
- HD Radio
- OFDM
- LMDS
- WCDMA
- GSM

## Overview

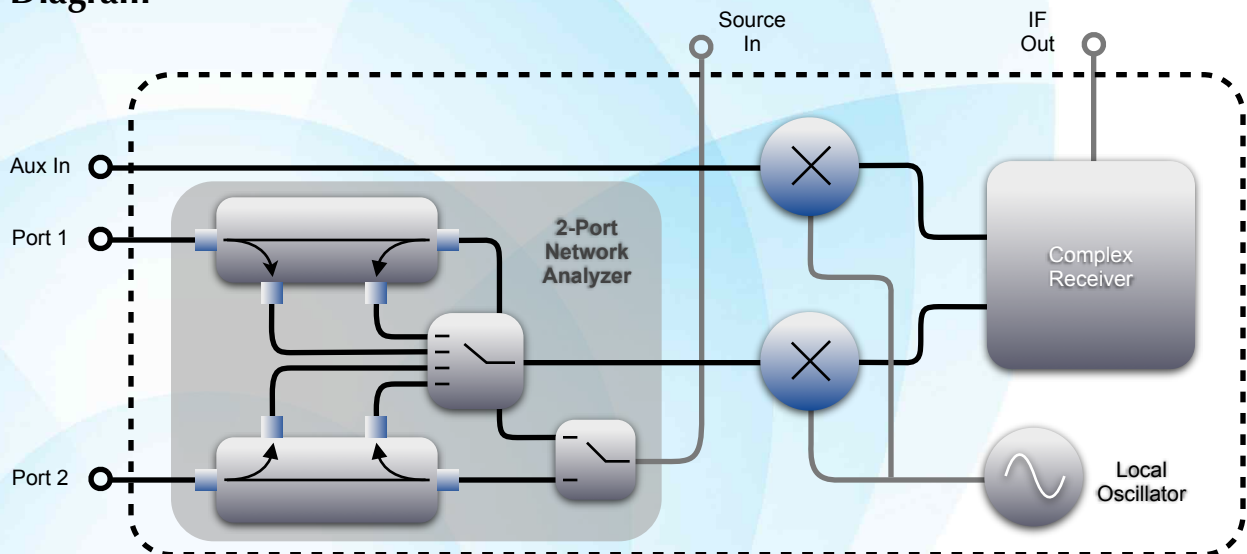
The RI8567B 12 GHz Test Set combines a 2-port network analyzer and complex receiver into a single microwave test instrument. Both provide source and receiver capability for direct power, harmonic, distortion, and s-parameter measurements from 100 kHz to 12 GHz. The versatile dual-port test set design allows for integration with Cassini microwave instruments to extend application and frequency measurement capability. With 100  $\mu$ s frequency switching and single path calibration, the RI8567B receiver can be shared across multiple RF ports for fast, consistent measurements and maximum channel utilization.



## Key Features

- *S-Parameters from 100 MHz to 12 GHz*
- *Direct Power/Spectrum Measure from 100 kHz to 12 GHz*
- *< 0.1 dB Measurement Resolution*
- *100  $\mu$ s Frequency Locking*

## Block Diagram



## Performance

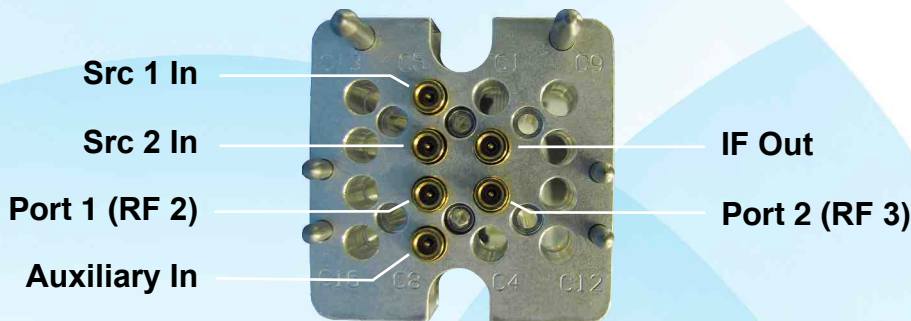
### Network Analyzer

Frequency Range	100 MHz to 12 GHz
Power Range	-100 dBm to +30 dBm
Meas. Bandwidth	7 kHz / 4 MHz (selectable)

### Receiver

Frequency Range	100 kHz to 12 GHz
Power Range	-115 dBm to +20 dBm
Meas. Bandwidth	7 kHz / 4 MHz (selectable)

## Inputs/Outputs



## Cassini Test Systems

A versatile, high-speed, automated test solution for analog, mixed-signal, RF, and millimeter-wave devices.

Cassini provides a modular base architecture that is fully configurable via Test Instrument Modules (TIMs) to meet the needs of any IC, wafer, or module test requirement.

Each TIM contains internally-cooled, RF-shielded measurement instrumentation, signal distribution, and blind mate interfacing to provide targeted test resources and integrate to build up a complete production test platform.

Combined with Roos Instruments' integrated test software, Cassini can be configured to any application for maximum performance, true low cost of test, and the industry's fastest test times.

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