

Applications

- Automotive Radar
- Cellular Backhaul
- Tuners & PAs
- Wireless HD
- Radar Comm.
- TIAs

Overview

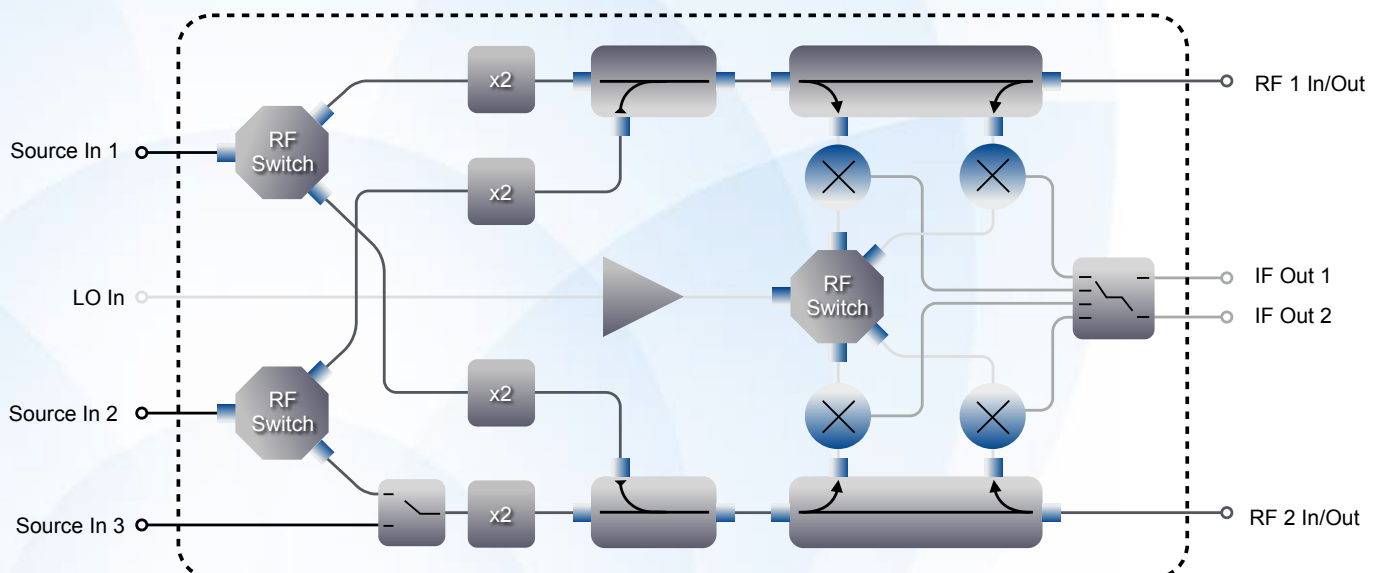
The RI8607 Test Set extends the frequency and application capability of Cassini's 2-port vector measurements to the 4 GHz - 50 GHz range. The instrument interfaces with three Cassini microwave sources and a receiver to provide 2-port, vector error corrected s-parameters with enhanced dynamic range and resource switching capability. In addition, each bilateral port can deliver 2-tone intermodulation test for single insertion multi-functional test.



Key Features

- *2-Port S-Parameters from 4 GHz to 50 GHz*
- *-115 to +8 dBm Measurement Range*
- *-25 to +3 dBm Source Range*

Block Diagram



Performance

Source

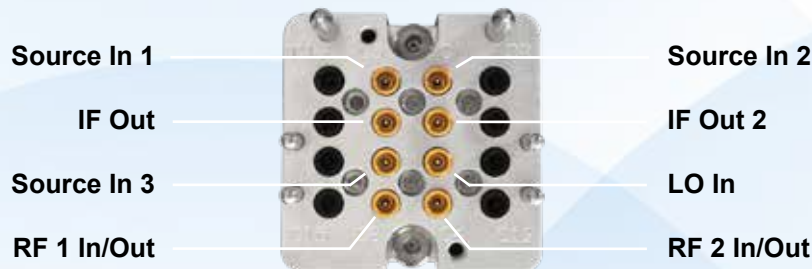
Frequency Range	4 GHz to 50 GHz
Frequency Accuracy	2 Hz
Power Range(Main)	-25 dBm to +3 dBm
Power Range(Intermodulation)	-22 dBm to 0 dBm
Power Range(Source 3)	-31 dBm to +6 dBm

Measure

Frequency Range	4 GHz to 50 GHz
Power Range ¹	-115 dBm to +20 dBm

¹ Typical performance with an RI8587 Receiver

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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