

Applications

- WiGig
- Ultra Wideband
- Point-to-Point Communication
- Wireless USB

Overview

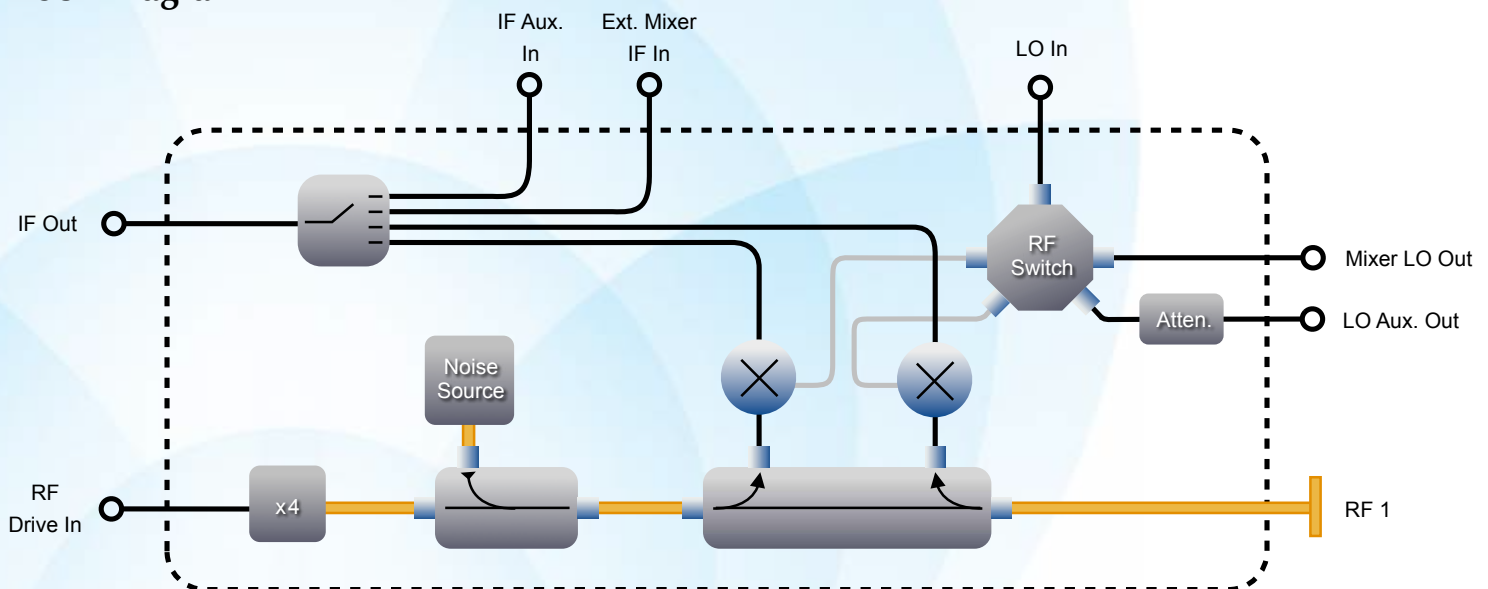
The RI8580 Test Set extends the frequency and application capability of Cassini with a universal high frequency port supporting the 57 to 71GHz band. Calibrated microwave and millimeter wave paths deliver precision source and measure of signal power, distortion test, s-parameters, and harmonic measurement. Designed to integrate with a Cassini source and receiver instrument, the RI8580 enables error-corrected measurements through signal paths that can be shared across multiple test ports for precision microwave tests and maximum channel utilization.



Key Features

- *Blind-mate Waveguide Interface*
- *S-Parameters from 57 to 71 GHz*
- *-100 to +10 dBm Measurement Range*
- *-40 to +11 dBm Source Range*

Block Diagram



Performance

Source

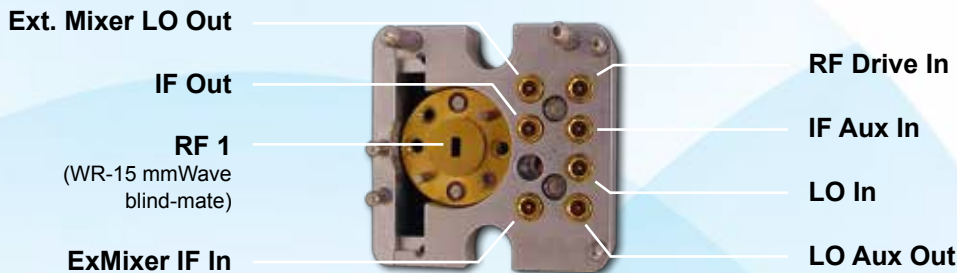
Frequency Range	57 GHz to 71 GHz
Frequency Resolution	4 Hz
Power Range	-40 dBm to +11 dBm

Measure

Frequency Range	57 GHz to 71 GHz
Power Range ¹	-100 dBm to +10 dBm

¹ Typical performance with an RI8587 Receiver Instrument

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.

Roos Instruments
 2285 Martin Ave.
 Santa Clara, CA 95050
 TEL +1 - 408 - 748 - 8589
sales@roos.com
www.roos.com



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