

### Applications

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

### Overview

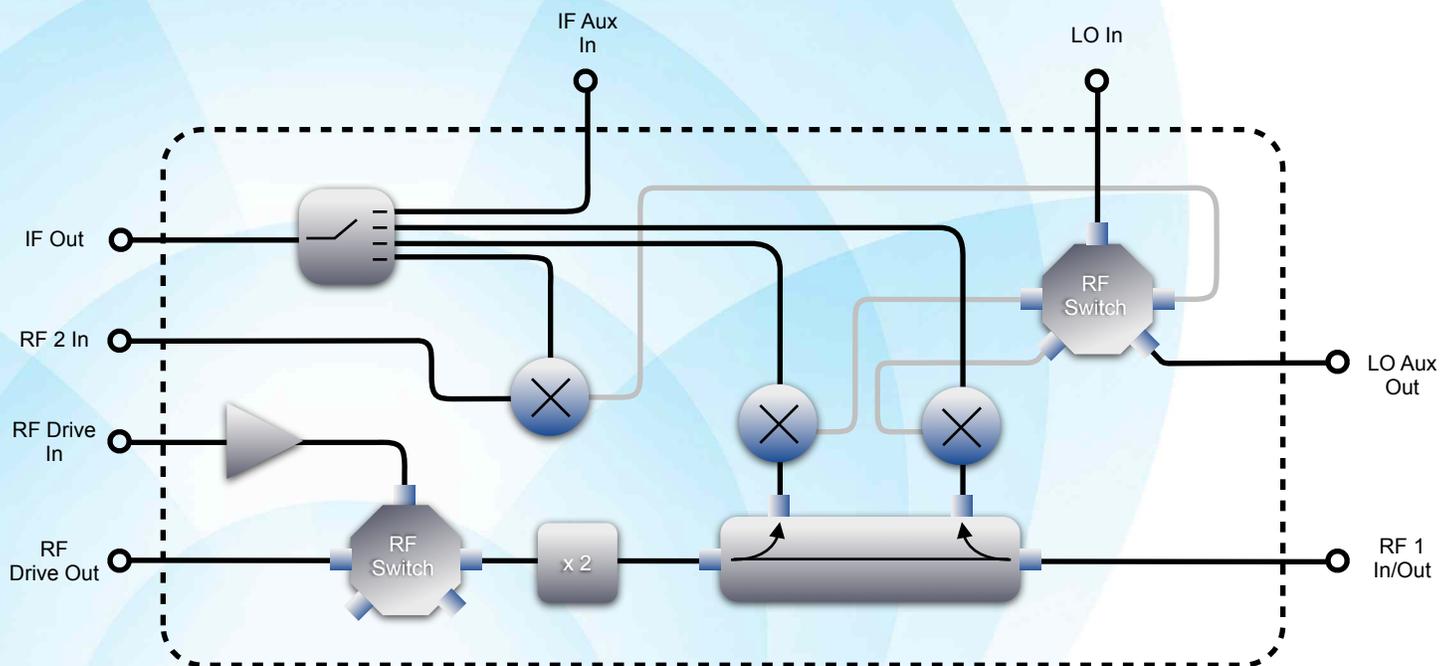
The RI8563C Test Set extends the frequency and application capability of signal sourcing, 2-port network analysis and Cassini's complex receiver from 4 GHz - 40.5 GHz bands. Calibrated RF paths deliver precision source and measure of signal power, distortion test, s-parameters, and harmonic measurement. Designed to integrate with the RI8581A Receiver and RI7725C Source, the RI8563C can be shared across multiple microwave I/O for fast, consistent measurement and maximum channel utilization.



### Key Features

- *S-Parameters from 4 GHz to 40.5 GHz*
- *-115 to +8 dBm Measurement Range*
- *0.1 dB Measurement Resolution*

### Block Diagram



## Performance

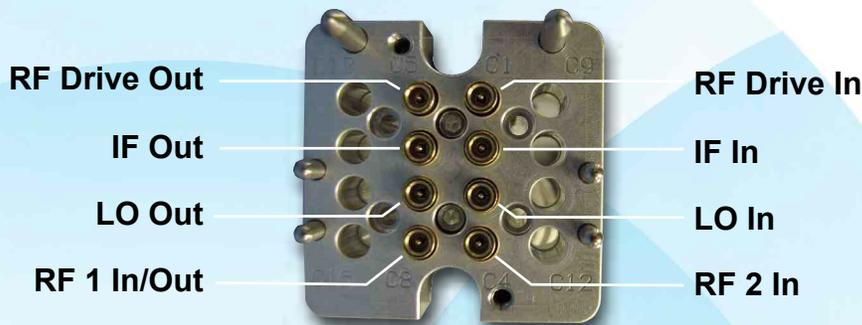
### Microwave Sourcing

Frequency Range	4 GHz to 40.5 GHz
Frequency Resolution	2 Hz
Power Range	-25 dBm to +3 dBm $\pm$ 0.1 dB

### Microwave Receiver

Frequency Range	4 GHz to 40.5 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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