

Product Briefs Overview

As of the date listed above, we now carry product briefs for the following instruments:

RI8546 - Device Power

RI8581 - 20 GHz Receiver

RI8535 - Universal Digital

RI8587 - 20 GHz Receiver w/DSP

RI8572 - Waveform/Measure

RI8545 - 20 GHz Test Set

RI8585 - High-Performance WF/Measure

RI8563 - 40 GHz Test Set

RI8508 - RF Modulated Source

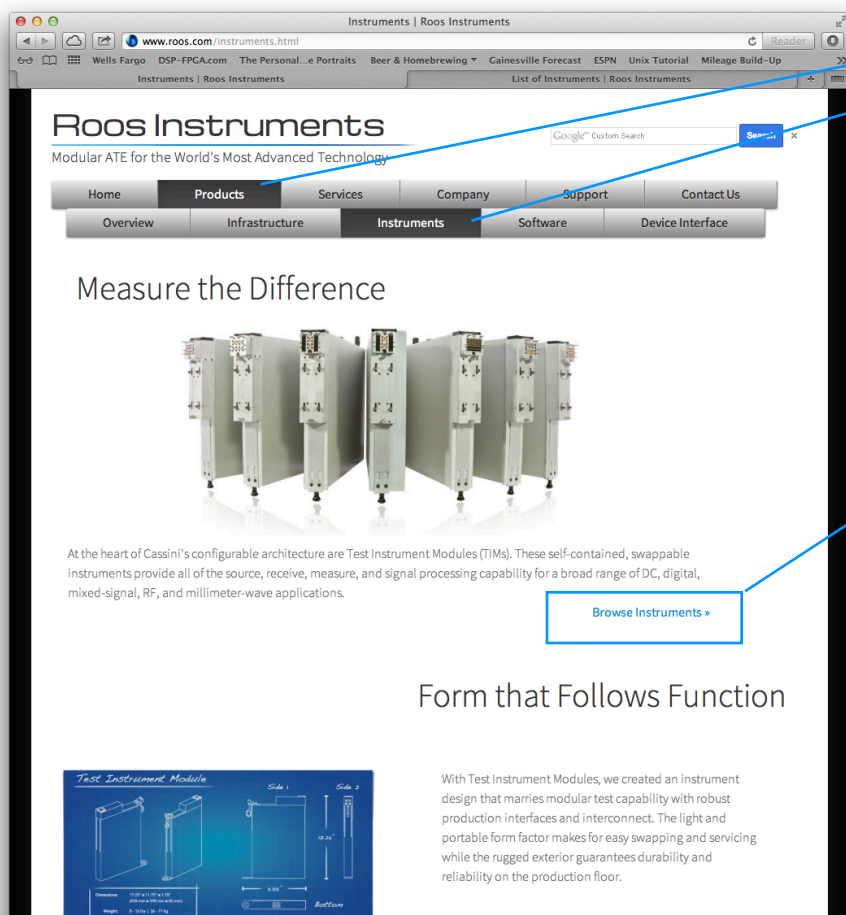
RI8580 - 60 GHz Test Set

RI8575 - Phase Noise Measure

RI8564 - 80 GHz Test Set

RI8567 - 12GHz Test Set

Customers can view web-optimized PDFs of the briefs via the website following the links illustrated below:



Navigate to 'Products' tab and then select 'Instruments' tab

The list of instrument PDFs

Print-quality version will be available at trade shows and for customer distribution.
We've standardized the format for the briefs as shown in the example below:

Front Page

Example applications in which the instrument is typically used

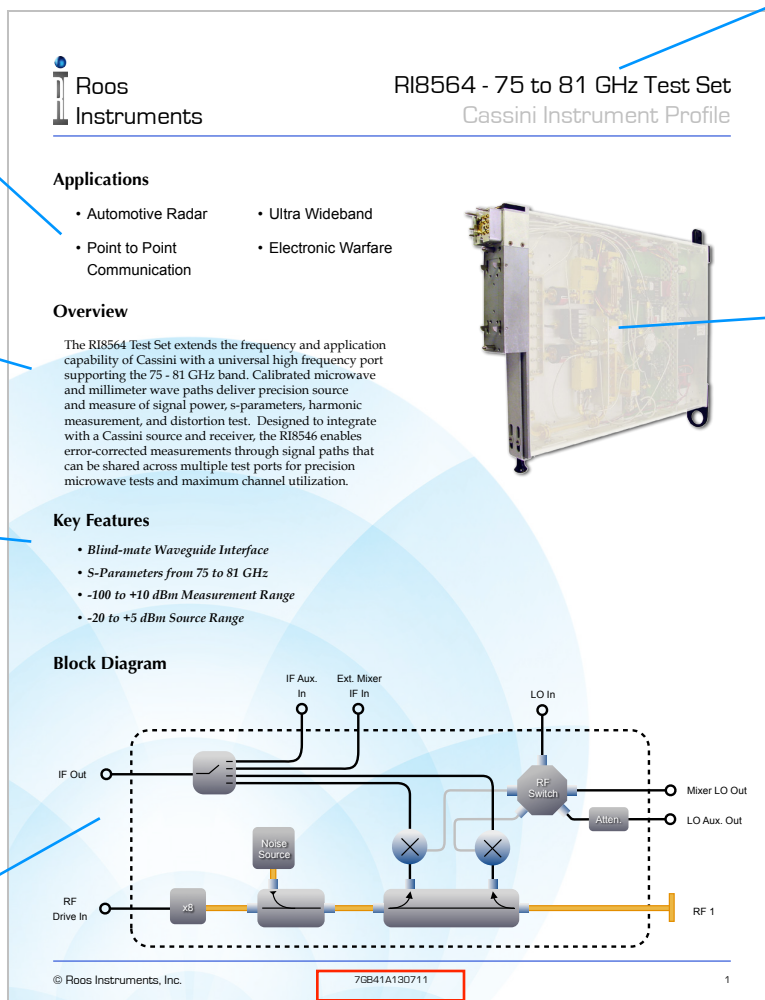
Brief explanation of the instruments features and capabilities

Features or capabilities that we want to emphasize

Simplified block diagram demonstrates the overall instrument functionality. This is to serve as an introduction to the more advanced block diagrams used with customers

Instrument ID and description.
We have suppressed the revision letter and number from the customers for simplification

Picture of instrument with "translucent" cover to see the instrument internals for differentiating them



7GB41A130711

Instrument briefs have been codified with an alphanumeric ID for internal purposes only

Unique instrument identity code

Instrument revision letter & version number
i.e. - RI8564**B4**

Product Brief revision number and letter

Revision Date in yy/mm/dd format
i.e - July 11, 2013

Back Page

Basic product performance specs to give a general idea of capability

Close-up view of the instrument blind-mate interface and signal ports with descriptions

Boilerplate explanation of Cassini and how it is positioned in the ATE industry

Contact information

Instrument ID and description. We have suppressed the revision letter and number from the customers for simplification

Boilerplate picture of Cassini to give context to how instruments fit in the overall system

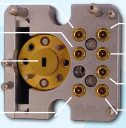
Roos Instruments **RI8564 - 75 to 81 GHz Test Set**
Cassini Instrument Profile

Performance

Source	
Frequency Range	75 GHz to 81 GHz
Frequency Resolution	4 Hz
Power Range	-20 to +5 dBm
Measure	
Frequency Range	75 GHz to 81 GHz
Power Range ¹	-100 dBm to +10 dBm

¹ Typical performance with an RI8567 Receiver

Inputs/Outputs



Ext. Mixer LO Out
IF Out
RF 1 (WR-12 mmWave blind-mate)
ExMixer IF In
RF Drive In
IF Aux In
LO In
LO Aux Out

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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