

Applications

- ISM Applications
- GSM & CDMA Bands
- Base Station Amplifiers
- Micro Cell Repeaters

Overview

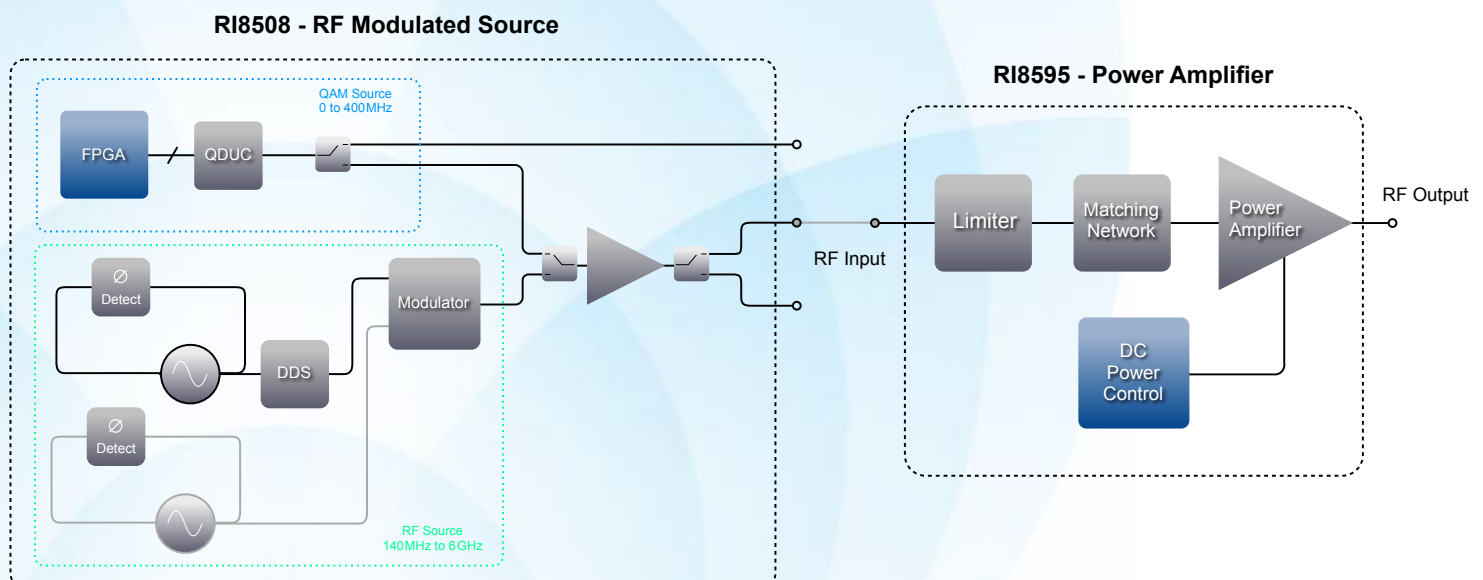
The RI8595 RF Power Amplifier provides high-power signal output from 700MHz to 6GHz. Designed as a drop-in signal amplifier for the RI8508 RF Signal Generator, the unit provides up to 20W of output power with calibrated signal paths and enhanced air cooling channels for stable thermal performance. The amplifier provides excellent gain linearity and flatness that is ideal for LDMOS, GaN cellular repeater ICs and other high-power RF applications.



Key Features

- 700 MHz to 6000 MHz Frequency Range
- 20W Maximum Output Power
- +50 dBm Typical IP3 Performance
- +42 dB In-band Signal Amplification

Block Diagram (Example Setup)

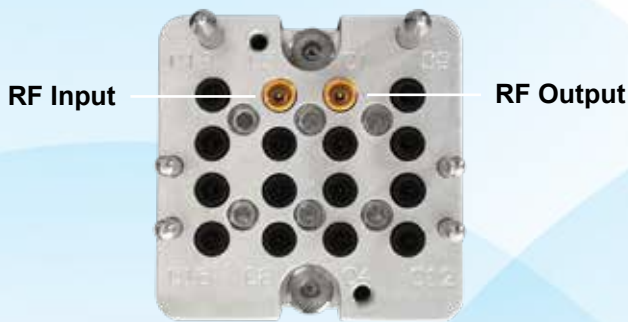


Performance

Frequency Range	700 MHz to 6000 MHz
Output Power	10W (+40dBm) P1dB, 20W (+43dBm) Typical Max.
Gain	42dB (typical)
Gain Flatness ¹	± 1 dB
VSWR Input Output	2:1 2:1

¹ Typical performance with a calibrated RI8508 RF Source.

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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