Applications

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

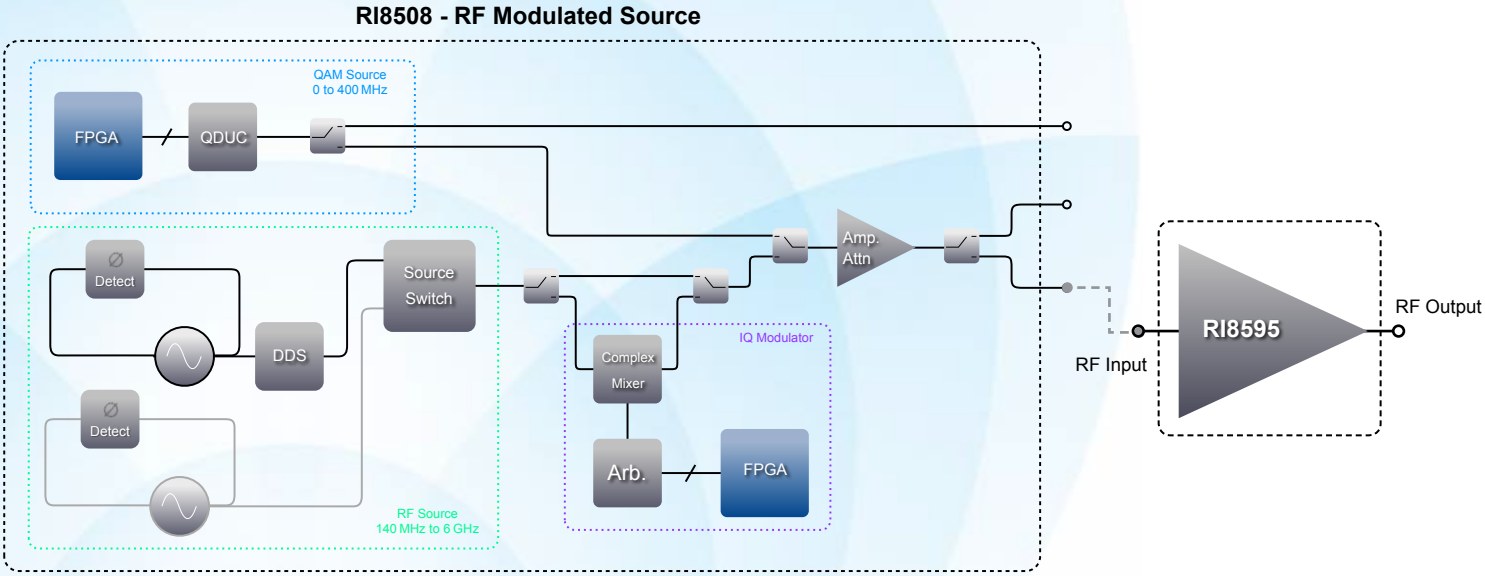
Overview

The RI8595 RF Power Amplifier provides high-power signal output from 700 MHz to 2.7 GHz. Designed as a drop-in signal amplifier for the RI8508 RF Signal Generator, the unit provides over 50dB of signal gain 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

- *Protected Output for Open/Short Load Conditions*
- *700 MHz to 2500 MHz Frequency Range*
- *+50 dB In-band Signal Amplification*
- *+53 dBm Typical IP3 Performance*

Block Diagram (Example Setup)

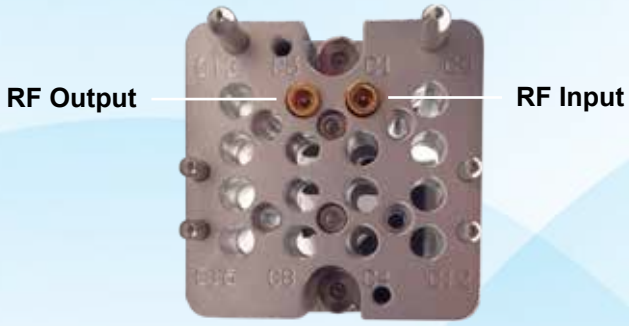


Performance

Frequency Range	700 MHz to 2500 MHz
Gain[1]	50 dB (typical)
Gain Flatness	±1 dB
VSWR Input | Output	1.3 :1 | 1.2 :1
Noise Figure	5.5 dBm

[1] Small signal input power: -35dBm (typ)

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