
FOR IMMEDIATE RELEASE

Compact Low Profile Low Power Series of Smart RF Amplifiers

High Performance –
Feature Rich –
Patented Architecture –

Operate from your Smart Wifi device,
LAN, or Front Panel Touchscreen



3U Series

Empower RF is pleased to announce the release of the Low Power Series of our Next Generation family of RF amplifier systems. Leveraging our patented architecture, these broadband RF and microwave amplifiers are housed in a compact 3U air cooled chassis and are equipped with feature rich software control, making these amplifiers configurable to a wide variety of applications requiring digital modulation, multi-tone/multi-carrier, pulsed, and AM/FM/CW. With power combinations ranging from 35 watts to 250 watts, this series is ideal for RF component test and EMC compliance testing. With an optional 28V DC input power or optional 400Hz input power, these amplifiers are also well suited for land mobile and airborne applications including deployable communications networks, satcom, telemetry, and electronic attack.

SKU	Frequency Range [MHz]	Pout [Watt]	Size	Datasheet
2191	20 - 1000	100	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2191
2192	20 - 1000	250	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2192
2175	80 - 1000	500	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2175
2193	1000 - 3000	100	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2193
2194	1000 - 3000	250	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2194
2195	2000 - 6000	50	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2195
2196	2000 - 6000	80	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2196
2197	2000 - 6000	130	R3U	http://www.empowerrf.com/products/display_amplifier.php?sku=2197

Selectable User Output Power Control

- ✓ Automatic Gain Control (AGC)
- ✓ Automatic Level Control (ALC)
- ✓ Manual Gain Control (MGC)

Selectable Measurement Modes

- ✓ CW, FM, AM
- ✓ Digital Modulation
- ✓ Multi-carrier / Multi-tone
- ✓ Pulse Modulation

Protection

- ✓ Load VSWR 3:1
- ✓ Input Overdrive Protection
- ✓ Thermal Overload Protection
- ✓ AC Power Supply Protection
- ✓ Out of Band Drive Protection

Built in Peak Detectors

- ✓ Input and Output Detectors
- ✓ Selectable Peak and RMS



Empower RF Systems, Inc. Press Materials
Distribution: Unlimited
Author Date: February 1, 2016

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Empower RF Systems is a leader in power amplifier solutions for defense, commercial, and industrial applications. Our products incorporate the latest semiconductor and power combining technologies and originate from an extensive library of "building block" designs. Solutions range from basic PA modules to multifunction PA assemblies with embedded, microprocessor controllers.

Visit Empower RF website:

<http://www.EmpowerRF.com>

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