WIRELESS BAND LINEAR AMPLIFIERS

800-2500 MHz 150 Watts

Series AR Wireless

DESCRIPTION:
Series AR wireless amplifiers are rack-mountable units which incorporate the Series AM amplifier in a cabinet containing a built-in universal AC power supply (for models up to 100 watts). Models are available for operation at frequencies from 800 to 3600 MHz and power from 10 to 300 watts. They are forced-air cooled by blowers built into the mechanical package. AR models are also available with an optional IEEE BUS for remote control and monitoring (ARD version).

FEATURES:
- Frequency Range: 800 MHz to 3.6 GHz; bandwidths to multi-octave
- Power Output: 10 to 300 watts
- CE Compliant
- Universal AC input (Models up to 100 watts)

ELECTRICAL
Input Overdrive: 10 dB above 1 dB compression
RF Input Signals: CW, FM, AM, and pulse/phase modulation
RF Input Level: 0 to -5 dBm Typical for rated power output
Small Signal Gain Flatness:
- AR88258 & AR8829: +2.0 dB
- AR178238 & AR17839: +1.0 dB
- AR88368: +2.0 dB
Noise Figure: 10 dB Typical
Harmonics: -20 dBc
Spurious Signals: -60 dBc
Input VSWR: 2:1
Load VSWR: Open or short-circuit protected, unconditionally stable
RF Connector In/Out: Type N, female bulkhead front panel mounted
- > 50 W: Type N, female bulkhead rear panel mounted
AC Input: Universal AC input for models up to 100 watts Units above 100 watts are supplied at 220 VAC

AVAILABLE OPTIONS
- IEEE 488 BUS
- Gain Control
- Digital Power Meter
- Rack Mounting Slides

For Environmental Specifications, see Page 18, Table 2.

Specifications are subject to change without notice.