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:
  - Up to 50 W: 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

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For Environmental Specifications, see Page 18, Table 2.

Specifications are subject to change without notice.