

RF Power Amplifiers Model 8100-001



ETS-Lindgren's Model 8100-001 RF Power Amplifier is a 200W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-3, 10 V/m requirements.

Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-001 provides very low distortion and tolerance for 100% mismatch.

Key Features

- IEC/EN 61000-4-3, 3 or 10 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

Specifications

Physical Specifications

Dimensions: 19 in, 3U Case, 630 mm (24.8 in) Deep

Weight: 26.0 kg (57.3 lb)

Case Style (Standard): Rack Mount with Rear Panel Connectors

Case Style (Optional): Bench Mount with Front Panel Connectors

Electrical Specifications

Electrical Frequency Range: 80 MHz to 1 GHz

Nominal Output Power: 200W

Gain Variation: 2 dB

Harmonics: -20 dBc Maximum

Output Impedance: 50

Input VSWRB: 2:1 Maximum

AC Supply: 100 to 250 VAC Single Phase

Supply Frequency Range: 50/60 Hz

Line Power: <900 VA

Remote Interface: GPIB, LAN

RF Connectors: Type N

Charts

Typical Output Power
at 1 dB Compression
at 1% Frequency Steps

