

# 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.

### MODEL 8100-001

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

### Technical Specifications

Electrical	
Frequency Range	80 MHz to 1 GHz
Nominal Output Power	200W
Gain Variation	$\pm 2$
Harmonics	-20 dBc Minimum
Output Impedance	50 $\Omega$
Input VSWR	2:1 Maximum
AC Supply	100 to 250 VAC Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 900 VA
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Type N
Physical	
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, Front Panel Connectors

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

