

# RF POWER AMPLIFIERS MODEL 8100-025



**ETS-Lindgren's Model 8100-025 RF Power Amplifier** is a 100W solid state 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 8100-025 provides very low distortion and tolerance for 100% mismatch.

## Technical Specifications

### Electrical

Frequency Range	9 kHz to 1 GHz
Nominal Output Power	100W
Gain Variation	± 2 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 240 VAC, Single Phase
Supply Frequency Range	50/60 Hz
Line Power	<620 VA

### Mechanical

RF Connectors	Type N (f)
Remote Interface	GPIB, LAN

### Physical

Dimensions	19 in, 3U Case, 630 mm (24.8 in) Deep
Weight	24.0 kg (52 lbs)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors

### MODEL 8100-025

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