

RF POWER AMPLIFIERS MODEL 8100-002



MODEL 8100-002

- IEC 61000-4-3, 30 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-002

RF Power Amplifier is a 1000W power amplifier, designed primarily for EMC applications that include EN/IEC 61000-4-3 30 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-002 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	80 MHz to 1 GHz
Nominal Output Power	1000W
Gain Variation	± 2
Harmonics	-20 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	3x 400 VAC ± 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 4000 VA
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Type N
Physical	
Dimensions	19 in, 6U Case, 630 mm (24.8 in) Deep
Weight	73.0 kg (160.9 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount with Front Panel Connectors

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

