

# RF POWER AMPLIFIERS MODEL 8100-052



## MODEL 8100-052

- IEC 61000-4-3
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-052 RF Power Amplifier** is a 500W power amplifier, designed primarily for EMC applications that include IEC 61000-4-3, 30 V/m automotive requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-052 provides very low distortion and tolerance for 100% mismatch.

## Technical Specifications

Electrical	
Frequency Range	1 GHz to 4 GHz
Nominal Output Power	500 W
Gain Variation	± 2 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	400 VAC +/- 10% Three Phase
Supply Frequency Range	50/60 Hz
Line Power	< 6000 VA
Mechanical	
RF Connectors	Input: Type N (f) Output: 7/16 (f)
Remote Interface	GPIO, LAN
Physical	
Dimensions	19 in, 8U Case, 630 mm (24.8 in) Deep
Weight	97 kg (214.0 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors