

# RF POWER AMPLIFIERS MODEL 8100-014



## MODEL 8100-014

- MIL-STD 461 RS103, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-014 RF Power Amplifier** is a 300 W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS103, 200 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-014 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

Electrical	
Frequency Range	1 GHz to 2 GHz
Nominal Output Power	300 W Minimum
Gain Variation	$\pm 2$ dB
Harmonics	20 dBc Maximum
Output Impedance	50 $\Omega$
Input VSWR	2:1 Maximum
AC Supply	220 to 240 VAC 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	<2000 VA
Mechanical	
RF Connectors	Type N (f)
Remote Interface	GPIO, Ethernet, USB
Physical	
Dimensions	19 in, 3U Case, 630 mm (24.8 in) Deep
Weight	30.0 kg (66 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors