

# RF POWER AMPLIFIERS MODEL 8100-096



## MODEL 8100-096

- IEC 61000-4-3, 20 V/m
- ISO 11452-2 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-096 RF Power Amplifier** is a 250 W power amplifier, designed primarily for EMC applications that include IEC 61000-4-3 and ISO 11452-2 testing requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-096 provides very low distortion and tolerance for 100% mismatch.

## Technical Specifications

Electrical	
Frequency Range	1 GHz to 6 GHz
Nominal Output Power	250 W
Gain Variation	$\pm 3$ dB
Harmonics	-20 dBc Maximum
Output Impedance	50 $\Omega$
Input VSWR	2:1 Maximum
AC Supply	3 x 400 VAC Three Phase
Supply Frequency Range	50/60 Hz
Line Power	< 4500 VA
Mechanical	
RF Connectors	Type N (f)
Remote Interface	GPIO, LAN
Physical	
Dimensions	19 in, 7U Case, 630 mm (24.8 in) Deep
Weight	85 kg (187 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors