

RF POWER AMPLIFIERS MODEL 8100-101



MODEL 8100-101

- IEC 61000-4-3, 30 V/m
- ISO 11452-2, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-101 RF Power Amplifier is a 1000 W power amplifier, designed primarily for EMC applications that include IEC-61000-4-3 and Automotive. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-101 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	20 MHz to 500 MHz
Nominal Output Power	1000 W
Gain Variation	± 2 dB
Harmonics	-15 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	<6500 VA
Mechanical	
Remote Interface	GPIB, Ethernet, USB
RF Connectors	Input: Type N (f) Output: 7/16 (f)
Physical	
Dimensions	19 in, 9U Case, 630 mm (24.8 in) Deep
Weight	95.0 kg (210 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors