

RF POWER AMPLIFIERS MODEL 8000-050



ETS-Lindgren's Model 8000-050

RF Power Amplifier is a 12W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-20, 10 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-050 provides very low distortion and tolerance for 100% mismatch.

MODEL 8000-050

- EN 61000-4-20, 10 V/m
- Ideal for Testing in a GTEM!™
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

Technical Specifications

Electrical	
Frequency Range	800 MHz to 3.1 GHz
Nominal Output Power	12W
Gain Variation	± 2.5 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 250 VAC, Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 150 VA
Mechanical	
Remote Interface	GPIO
RF Connectors	Type N
Physical	
Dimensions	19 in, 3U Case, 440 mm (17.3 in) Deep
Weight	7.0 kg (15.4 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors

Typical Output Power at 1 dB Compression

