

RF POWER AMPLIFIERS MODEL 8100-050



MODEL 8100-050

- MIL-STD 461 RS103
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-050 RF Power Amplifier is a 500 W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS103, 200 V/m and greater requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-050 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	1 GHz to 2 GHz
Nominal Output Power	500W Minimum
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	< 3500 VA
Mechanical	
RF Connectors	Type N (f)
Remote Interface	GPIB, LAN
Physical	
Dimensions	19 in, 7U Case, 630 mm (24.8 in) Deep
Weight	55 kg (121 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors