

# RF POWER AMPLIFIERS MODEL 8000-021



## MODEL 8000-021

- MIL-STD 461 CS114, Curve 5
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

### ETS-Lindgren's Model 8000-021

**RF Power Amplifier** is a 800W power amplifier, designed primarily for EMC applications that include MIL-STD 461 CS114, Curve 5 requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-021 provides very low distortion and tolerance for 100% mismatch.

#### Technical Specifications

Electrical	
Frequency Range	10 kHz to 250 MHz
Nominal Output Power	800W
Gain Variation	± 2 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	220 to 240 VAC, Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 3 kVA
Mechanical	
Remote Interface	GPIO
RF Connectors	Type N
Physical	
Dimensions	19 in, 6U Case, 550 mm (21.7 in) Deep
Weight	33.0 kg (72.8 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

