

# RF POWER AMPLIFIERS MODEL 8000-020



## ETS-Lindgren's Model 8000-020

**RF Power Amplifier** designed primarily for EMC applications including rigorous antenna and test chamber requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

### MODEL 8000-020

- IEC/EN 61000-4-6, 10V
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

The 8000-020 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

#### Electrical

Frequency Range	100 kHz to 230 MHz
Nominal Output Power	80W
Gain Variation	± 2 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	< 400 VA

#### Mechanical

Remote Interface	GPIO
RF Connectors	Type N Female

#### Physical

Dimensions	19 in, 3U Case, 440 mm (17.3 in) Deep
Weight	13.0 kg (28.7 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

