

# RF POWER AMPLIFIERS MODEL 8000-039



**ETS-Lindgren's Model 8000-039 RF Power Amplifier** is a 80 W power amplifier, designed primarily for EMC applications that include EN/IEC 61000-4-6 requirements. Utilizing MOSFET technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-039 provides very low distortion and tolerance for 100% mismatch.

## MODEL 8000-039

- EN/IEC 61000-4-6
- High Reliability MOSFET Design
- Excellent Performance and Efficiency
- Safety Interlock

## Technical Specifications

### Electrical

|                        |                              |
|------------------------|------------------------------|
| Frequency Range        | 10 kHz to 250 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 | GPIB, LAN, USB |
| RF Connectors    | Type N (f)     |

### Physical

|                       |                                       |
|-----------------------|---------------------------------------|
| Dimensions            | 19 in, 4U Case, 500 mm (19.6 in) Deep |
| Weight                | 18.0 kg (39.7 lb)                     |
| Case Style (Standard) | Rack Mount with Rear Panel Connectors |
| Case Style (Optional) | Bench Mount, Front Panel Connectors   |

