

# RF POWER AMPLIFIERS MODEL 8000-020



## MODEL 8000-020

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

**ETS-Lindgren's Model 8000-020 RF Power Amplifier** is a power amplifier, designed primarily for EMC applications including Conducted Immunity IEC 61000-4-6. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

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

## Technical Specifications

| Electrical             |                                       |
|------------------------|---------------------------------------|
| Frequency Range        | 150 kHz to 230 MHz                    |
| Nominal Output Power   | 80 W                                  |
| Gain Variation         | ± 2 dB                                |
| Harmonics              | -20 dBc                               |
| 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, USB, LAN                        |
| RF Connectors          | Type N (f)                            |
| 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   |

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