

# RF POWER AMPLIFIERS MODEL 8000-062



## MODEL 8000-062

- IEC/EN 61000-4-3, 10 V/m (80% AM)
- High Reliability
- GaN Design - Class A
- Excellent Performance
- Efficiency Safety Interlock
- Dual Coupled Sample Ports

**ETS-Lindgren's Model 8000-062 RF Power Amplifier** is a 125 W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-3, 10 V/m requirements. Utilizing GaN technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-062 provides very low distortion and tolerance for 100% mismatch.

## Technical Specifications

| Electrical             |                                       |
|------------------------|---------------------------------------|
| Frequency Range        | 1 GHz to 6 GHz                        |
| Nominal Output Power   | 125 W                                 |
| Gain Variation         | ± 3 dB                                |
| Harmonics              | -20 dBc Maximum                       |
| Output Impedance       | 50 Ω                                  |
| Input VSWR             | 2:1 Maximum                           |
| AC Supply              | 100 to 240 VAC, Single Phase          |
| Supply Frequency Range | 50/60 Hz                              |
| Line Power             | < 2 kVA                               |
| Mechanical             |                                       |
| RF Connectors          | Type N (f)                            |
| Remote Interface       | GPIO, LAN, Ethernet                   |
| Physical               |                                       |
| Dimensions             | 19 in, 4U Case, 600 mm (23.6 in) Deep |
| Weight                 | 20.0 kg (44 lb)                       |
| Case Style (Standard)  | Rack Mount with Rear Panel Connectors |
| Case Style (Optional)  | Bench Mount, Front Panel Connectors   |

