

# RF POWER AMPLIFIERS MODEL 8100-057



### MODEL 8100-057

- MIL-STD 461 RS103
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-057 RF Power Amplifier** is a 250 W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS103, 200 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-057 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

| Electrical             |                                       |
|------------------------|---------------------------------------|
| Frequency Range        | 2 GHz to 8 GHz                        |
| Nominal Output Power   | 250 W                                 |
| Gain Variation         | ± 7.5 dB                              |
| Harmonics              | 0 dBc Maximum                         |
| Output Impedance       | 50 Ω                                  |
| Input VSWR             | 2:1 Maximum                           |
| AC Supply              | 220 to 240 VAC 10% Single Phase       |
| Supply Frequency Range | 50/60 Hz                              |
| Line Power             | <3500 VA                              |
| Mechanical             |                                       |
| RF Connectors          | Type N (f)                            |
| Remote Interface       | GPIO, LAN                             |
| Physical               |                                       |
| Dimensions             | 19 in, 5U Case, 660 mm (26.0 in) Deep |
| Weight                 | 45.0 kg (99 lb)                       |
| Case Style (Standard)  | Rack Mount with Rear Panel Connectors |
| Case Style (Optional)  | Bench Mount, Front Panel Connectors   |