

RF POWER AMPLIFIERS MODEL 8100-007



MODEL 8100-007

- IEC 61000-4-3
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-007

RF Power Amplifier is a 75W/50W power amplifier, designed primarily for EMC applications that include IEC-61000-4-3, 10 V/m up to 6 GHz requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-007 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

| Electrical | |
|------------------------|--|
| Frequency Range | 1 GHz to 6 GHz |
| Nominal Output Power | 1 GHz to 2.5 GHz, 75W Minimum 2.5 GHz to 6 GHz, 50W Minimum |
| Gain Variation | ± 2 |
| Harmonics | -20 dBc Minimum |
| Output Impedance | 50 Ω |
| Input VSWR | 2:1 Maximum |
| AC Supply | 100 to 250 VAC ± 10% Single Phase |
| Supply Frequency Range | 50/60 Hz |
| Line Power | < 600 VA |
| Spurious | < 65 dBc |
| Mechanical | |
| Remote Interface | GPIB, LAN |
| RF Connectors | Type N |
| Physical | |
| Dimensions | 19 in, 3U Case, 630 mm (24.8 in) Deep |
| Weight | 26.0 kg (57.3 lb) |
| Case Style (Standard) | Rack Mount with Rear Panel Connectors |
| Case Style (Optional) | Bench Mount, Front Panel Connectors |