

RF POWER AMPLIFIERS MODEL 8100-008



ETS-Lindgren's Model 8100-008

RF Power Amplifier is a 300W power amplifier, designed primarily for EMC applications that include IEC 61000-4-3, 30 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-008 provides very low distortion and tolerance for 100% mismatch.

MODEL 8100-008

- IEC 61000-4-3, 30 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

Technical Specifications

| Electrical | |
|------------------------|--|
| Frequency Range | 1 GHz to 6 GHz |
| Nominal Output Power | 1 GHz to 2.5 GHz, 300W Minimum 2.5 GHz to 6 GHz, 100W 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 | < 2000 VA |
| Mechanical | |
| Remote Interface | GPIB, LAN, TTL |
| RF Connectors | Type N |
| Physical | |
| Dimensions | 19 in, 6U Case, 630 mm (24.8 in) Deep |
| Weight | 65.0 kg (143.3 lb) |
| Case Style (Standard) | Rack Mount with Rear Panel Connectors |
| Case Style (Optional) | Bench Mount, Front Panel Connectors |