

RF POWER AMPLIFIERS MODEL 8100-016



MODEL 8100-016

- MIL-STD 461 RS103, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-016

RF Power Amplifier is a 320W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS103, 200 V/m requirements. This TWT RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-016 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

| Electrical | |
|------------------------|---------------------------------------|
| Frequency Range | 8 GHz to 18 GHz |
| Nominal Output Power | 320W Minimum |
| Gain Variation | ± 7.5 |
| Harmonics | 6 dBc Minimum |
| 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 | < 1750 VAC |
| Mechanical | |
| Remote Interface | GPIB, LAN |
| RF Connectors | Type N |
| Physical | |
| Dimensions | 19 in, 3U Case, 610 mm (24.0 in) Deep |
| Weight | 33.0 kg (72.8 lb) |
| Case Style (Standard) | Rack Mount with Rear Panel Connectors |
| Case Style (Optional) | Bench Mount, Front Panel Connectors |