

RF POWER AMPLIFIERS MODEL 8100-058



MODEL 8100-058

- MIL-STD 461 and DO-160
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-058 TWT RF Power Amplifier is a 250 W power amplifier, designed primarily for EMC applications that include MIL-STD 461 and DO-160 requirements.

The 8100-058 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

| Electrical | |
|-----------------------|---|
| Frequency Range | 8 GHz to 18 GHz |
| Nominal Output Power | 250 W |
| Gain Variation | ± 7.5 dB |
| Harmonics | -8 dBc Maximum |
| Output Impedance | 50 Ω |
| Input VSWR | <2:1 Typical |
| Load VSWR | 2:1 Maximum |
| AC Supply | 220 to 240 VAC, 50 to 60 Hz |
| Line Power | 1500 VA |
| Spurious | - 50 dBc (Excluding Harmonics) |
| Mechanical | |
| RF Connectors | Input: N(f), Output: WRD 750 |
| Physical | |
| Dimensions | 19 in, 5U Case, 630 mm (24.8 in) Deep |
| Weight | 45.0 kg (99 lb) |
| Case Style (Standard) | Rack Mount with Rear Panel Connectors |
| Case Style (Optional) | Bench Mount with Front Panel Connectors |