

# RF POWER AMPLIFIERS MODEL 8000-013



**ETS-Lindgren's Model 8000-013 RF Power Amplifier** is a 500W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-3, 30 V/m requirements. Utilizing Silicon LDMOS technology, this RF amplifier provides high linearity, rugged design and better efficiency performance.

The 8000-013 provides very low distortion and tolerance for 100% mismatch.

## Technical Specifications

### Electrical

|                        |   |
|------------------------|---|
| Frequency Range        | 80 MHz to 1 GHz   |
| Nominal Output Power   | 80-400 MHz (500W) ; 400 - 750 (400W) and 750 MHz-1 GHz (300W) |
| Gain Variation         | ± 3 dB  |
| Max. Input Power       | 10 dB   |
| Harmonics              | -20 dBc Minimum   |
| Output Impedance       | 50 Ω  |
| Input VSWR             | 1.5:1 Maximum   |
| AC Supply              | Single Phase, 200-240 VAC                                     |
| Supply Frequency Range | 50/60 Hz  |
| Line Power             | <4 kVA  |

### Mechanical

|                  |                                   |
|------------------|-----------------------------------|
| Remote Interface | GPIB, Ethernet, USB               |
| RF Connectors    | Input: Type N (f)<br>Output: 7/16 |

### Physical

|            |                                   |
|------------|-----------------------------------|
| Dimensions | 19 in, 16U, 800 mm (34.6 in) Deep |
| Weight     | 198 kg (216 lb)                   |

## MODEL 8100-013

- IEC/EN 61000-4-3, 30 V/m
- High Reliability Silicon LDMOS Design
- Front Panel or Remote Control via Ethernet, GPIB, USB
- Excellent Performance and Efficiency
- Safety Interlock