

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.

Reference material: [Remote Control Interface User Manual](#).

Key Features

- 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

Specifications

Physical Specifications

Dimensions: 19 in, 16U, 800 mm (34.6 in) Deep

Weight: 98 kg (216 lb)

Connector Types: Input (Nf) and Output (7/16)

Case Style (Standard): Rack with Rear Panel Connectors

Electrical 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 dBm

Harmonics: -20 dBc Maximum

Output Impedance: 50

Input VSWR: 1.5:1 Maximum

AC Supply: Single Phase 200-240 Vac

Supply Frequency Range: 50/60 Hz

Line Power: <4 kVA

Charts

Typical Output Power
at 1dB Compression

