



## RF POWER AMPLIFIER MODEL 8100-094

ETS-Lindgren's Model 8100-094 RF Power Amplifier is a 30W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS 103 requirements.



ETS-Lindgren's Model 8100-094 RF Power Amplifier is a 30W power amplifier, designed primarily for EMC applications that include MIL-STD 461

RS 103 requirements. This TWT RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-094 provides very low distortion and tolerance for 100% mismatch.

### Key Features

- MIL-STD 461 RS 103, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

### Specifications

#### Electrical Specifications

Frequency Range: 1 GHz to 18 GHz

Nominal Output Power: 30W Minimum up to 6 GHz  
20W Minimum 6 to 18 GHz

Gain Variation:  $\pm 6$  dB

Harmonics: 15 dBc Maximum

Output Impedance: 50  $\Omega$

Input VSWR: 2:1 Maximum

AC Supply: 220 to 240 VAC  $\pm 10\%$  Single Phase

Supply Frequency Range: 50/60 Hz

Line Power: < 750 VA

#### Physical Specifications

Dimensions: 19 in, 4U Case, 630 mm (24.8 in) Deep

Weight: 33.0 kg (73 lb)

Case Style (Standard): Rack Mount with Rear Panel Connectors

Case Style (Optional): Bench Mount, Front Panel Connectors

