

RF POWER AMPLIFIERS 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. This solid state 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.

MODEL 8100-094

- **MIL-STD 461 RS 103**
- **High Reliability**
- **Excellent Performance and Efficiency**
- **Safety Interlock**

Technical Specifications

Electrical

Frequency Range	1 GHz to 18 GHz
Nominal Output Power	30 W (1 GHz to 6 GHz) 20 W (6 GHz to 18 GHz)
Gain Variation	± 3 dB
Harmonics	20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 240 VAC, 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 500 VA

Mechanical

Remote Interface	GPIB, Ethernet, USB
RF Connectors	SMA - (f)

Physical

Dimensions	19 in, 3U Case, 430 mm (17 in) Deep
Weight	20 kg (44 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors