

# RF POWER AMPLIFIERS MODEL 8000-071



**ETS-Lindgren's Model 8000-071 RF Power Amplifier** is a 30W power amplifier, designed primarily for general EMC, automotive and military applications. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon based amplifiers.

The 8000-071 provides very low distortion and tolerance for 100% mismatch.

### MODEL 8000-071

- Designed for Automotive Testing
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

### Technical Specifications

Electrical	
Frequency Range	700 MHz to 4.2 GHz
Nominal Output Power	30 W
Gain Variation	± 3 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 240 VAC, Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 300VA
Mechanical	
RF Connectors	Type N (f)
Remote Interface	USB, Ethernet, GPIB
Physical	
Dimensions	19 in, 3U Case, 500 mm (20 in) Deep
Weight	7.0 kg (15.0 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors

8000-071 Output Power (1dB)

