

# RF POWER AMPLIFIERS MODEL 8100-161



## MODEL 8100-161

- MIL-STD 461, RS103
- High Reliability MOSFET Design
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-161 RF Power Amplifier** is a member of our family of 6 GHz-18 GHz high power amplifiers, designed primarily for EMC applications. The amplifier can be controlled from either the front panel or remote control via the Ethernet, USB and GPIB interfaces.

The amplifier operates in Class A, the benefits for EMC applications being very low distortion and tolerance of 100% mismatch.

### Technical Specifications

Electrical	
Frequency Range	6 GHz to 18 GHz
Nominal Output Power	350 W
Gain Variation	$\pm 4$ dB
Harmonics	-20 dBc Maximum
Output Impedance	50 $\Omega$
Input VSWR	2:1 Maximum
AC Supply	3 x 400 VAC
Supply Frequency Range	47/63 Hz
Line Power	< 7500 VA
Mechanical	
Remote Interface	GPIB, LAN, Ethernet
RF Connectors	Input: N (f) Output: WRD-650
Physical	
Dimensions	19 in, 12U, 630 mm (24.8 in) Deep
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors
Weight	105 kg (231 lb)