

# RF POWER AMPLIFIERS MODEL 8100-012



## MODEL 8100-012

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

**ETS-Lindgren's Model 8100-012 RF Power Amplifier** is a 10000W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS 103, 200 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-012 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

Electrical	
Frequency Range	20 MHz to 130 MHz
Nominal Output Power	10000 W
Gain Variation	$\pm 2$ dB
Harmonics	-20 dBc Minimum
Output Impedance	50 $\Omega$
Input VSWR	< 2:1 Maximum
AC Supply	3 x 400 VAC
Supply Frequency Range	50/60 Hz
Line Power	< 500 kVA
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Input Type N (f) Output 1 5/8"
Physical	
Dimensions	19 in, 2 x 37U Racks, 800 mm (31.5 in) Deep
Weight	1000 kg (2200 lb)