

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	10000W Minimum
Gain Variation	± 2
Harmonics	-20 dBc Minimum
Output Impedance	50 Ohms
Input VSWR	< 2:1 Maximum
AC Supply	3 x 400 VAC
Supply Frequency Range	50/60 Hz
Line Power	< 1000 VA

Mechanical

Remote Interface	GPIB, LAN
RF Connectors	Input Type N, Output 1 5/8" EIA Flange

Physical

Dimensions	19 in, 2 x 37U Racks, 800 mm (31.5 in) Deep
Weight	460.0 kg (1014.1 lb)
Rack Style (Standard)	Racks with Rear Panel Connectors