

RF POWER AMPLIFIERS MODEL 8100-013



MODEL 8100-013

- MIL-STD 461 RS 103, 200 V/m
- 10 kW 9 kHz-220 MHz
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-013 RF Power Amplifier is a 10 kW up to 100 MHz and 8,000 kW up to 220 MHz 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 8100-013 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical

Frequency Range	9 kHz to 220 MHz
Nominal Output Power	10 kW
Gain Variation	± 3 dB
Harmonics	-20 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	3 x 400 VAC
Supply Frequency Range	50/60 Hz
Line Power	<50 kVA

Mechanical

RF Connecters	Input: Type N (f) Output: 1 5/8
Remote Interface	GPIB, Ethernet, USB

Physical

Dimensions	19 in, 2 x 37U Rack, 800 mm (31.5 in) Deep
Weight	1000 kg (2205 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors