

RF POWER AMPLIFIERS MODEL 8100-030



MODEL 8100-030

- ISO 11452-4, Level IV
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-030 RF Power Amplifier is a 500W/250W power amplifier, designed primarily for EMC applications that include ISO 11452-4 BCI up to Level IV requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-030 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	9 kHz to 400 MHz
Nominal Output Power	9 kHz to 250 MHz, 500W 250 MHz to 400 MHz, 250W
Gain Variation	± 2
Harmonics	-20 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	3x 400 VAC ± 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 4000 VA
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Type N
Physical	
Dimensions	19 in, 5U Case, 630 mm (24.8 in) Deep
Weight	54.0 kg (119.1 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount with Front Panel Connectors

Typical Output Power at 1 dB Compression at 1% Frequency Steps

