

RF POWER AMPLIFIERS MODEL 8100-004



ETS-Lindgren's Model 8100-004 RF Power Amplifier is a 2000/1000/700W power amplifier, designed primarily for EMC applications that include ISO 11452-2, 200 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-004 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	80 MHz to 1 GHz
Nominal Output Power	80 MHz to 280 MHz, 2000W
	280 MHz to 480 GHz, 1000W
	480 MHz to 1 GHz, 700W
Gain Variation	± 2 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	15000 VA
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Input: Type N (f)
	Output: 1 5/8" EIA
Physical	
Dimensions	32U Rack, 800 mm (31.5 in) Deep
Weight	420 kg (925 lb)
Rack Style (Standard)	Rack with Rear Panel Connectors

MODEL 8100-004

- ISO 11452-2, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

Typical Output Power at 1 dB Compression

