

RF POWER AMPLIFIERS MODEL 8000-004



ETS-Lindgren's Model 8000-004

RF Power Amplifier is a 1000W power amplifier, designed primarily for commercial and military applications that include IEC/EN 61000-4-3, 30 V/m and RS103, 200 V/m requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-004 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	80 MHz to 1 GHz
Nominal Output Power	1000W
Gain Variation	± 3 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	3 Phase Options, Contact ETS-Lindgren for Details
Cooling	Forced Air (Self-contained Fans)
Supply Frequency Range	50/60 Hz
Line Power	< 6 kVA
Mechanical	
Remote Interface	GPIB
RF Connectors	Input Type N, Output 7/16
Physical	
Dimensions	19 in, 34U Rack, 800 mm (34.6 in) Deep
Weight	200.0 kg (440.9 lb)
Rack Style (Standard)	Rack with Rear Panel Connectors

MODEL 8000-004

- IEC/EN 61000-4-3, 30 V/m and RS103, 200 V/m
- Designed for Automotive Testing
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

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

