

RF POWER AMPLIFIERS MODEL 8000-053



ETS-Lindgren's Model 8000-053

RF Power Amplifier is a 90W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-20, 30 V/m using a GTEM up to 3.1 GHz. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-053 provides very low distortion and tolerance for 100% mismatch.

MODEL 8000-053

- IEC/EN 61000-4-20, 30 V/m
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

Technical Specifications

Electrical	
Frequency Range	800 MHz to 3.1 GHz
Nominal Output Power	90W
Gain Variation	± 3 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 250 VAC, Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 1 kVA
Mechanical	
Remote Interface	GPIB
RF Connectors	Type N
Physical	
Dimensions	19 in, 6U Case, 550 mm (21.7 in) Deep
Weight	35.0 kg (77.2 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors

Typical Output Power at 1 dB Compression

