

# RF POWER AMPLIFIERS MODEL 8000-055



**ETS-Lindgren's Model 8000-055 RF Power Amplifier** is a 250W power amplifier, designed primarily for automotive and military applications that include Ford CS-2009.1 and GMW 3097 Radar Pulse requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-055 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

Electrical	
Frequency Range	800 MHz to 3.1 GHz
Nominal Output Power	250W Minimum
Gain Variation	± 4 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	< 3 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	150.0 kg (330.7 lb)
Rack Style (Standard)	Rack with Rear Panel Connectors

### MODEL 8000-055

- Ford CS-2009.1 and GMW 3097 Radar Pulse
- 300 V/m
- Designed for Automotive Testing
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

### Typical Output Power at 1 dB Compression

