

RF POWER AMPLIFIERS MODEL 8000-097



MODEL 8000-097

- RTCA DO-160 Section 20 Standard
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8000-097 RF Power Amplifier is a 4 kW Pulsed power amplifier, designed primarily for EMC applications that include RTCA DO-160 Section 20. Utilizing GaN technology, this RF amplifier provides higher linearity, rugged design in a more compact design. The 8000-097 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	1 GHz to 2 GHz
Nominal Output Power	4 kW Pulsed
Gain Variation	± 2 dB
Pulse Rise/Fall Time	<50 ns
Pulse Width	100µs Maximum
Harmonics	-20 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	200 to 240V AC
Supply Frequency Range	50/60 Hz
Line Power	< 3 kVA
Mechanical	
Remote Interface	Standard GPIB, Ethernet, USB
RF Connectors	Input: Type N(f) Output: DIN 7–16(f)
Physical	
Dimensions	19 in, 9U Rack, 550 mm (21.6 in) Deep
Weight	47 kg (103.62 lb)
Case Style (Standard)	Rack with Rear Panel Connectors
Case Style (Optional)	Rack with Front Panel Connectors