

RF POWER AMPLIFIERS MODEL 8100-007



ETS-Lindgren's Model 8100-007 RF Power Amplifier is a 75W/50W power amplifier, designed primarily for EMC applications that include IEC-61000-4-3, 10 V/m up to 6 GHz requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers. The 8100-007 provides very low distortion and tolerance for 100% mismatch.

MODEL 8100-007

- IEC 61000-4-3
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

Technical Specifications

Electrical	
Frequency Range	1 GHz to 6 GHz
Nominal Output Power	75 W (1 GHz to 2.5 GHz) 50 W (2.5 GHz to 6 GHz)
Gain Variation	± 2 dB
Harmonics	-20 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	200 to 240 VAC
Supply Frequency Range	50/60 Hz
Line Power	< 600 VA
Mechanical	
Remote Interface	GPIB, LAN, USB
RF Connectors	Type N (f)
Physical	
Dimensions	19 in, 3U Case, 630 mm (24.8 in) Deep
Weight	26.0 kg (57.3 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors