

RF POWER AMPLIFIERS MODEL 8100-015



MODEL 8100-015

- MIL-STD 461 RS103, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-015

RF Power Amplifier is a 300W power amplifier, designed primarily for EMC applications that include MIL-STD 461 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 8100-015 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	2 GHz to 8 GHz
Nominal Output Power	300W Minimum
Gain Variation	± 2
Harmonics	0 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	220 to 240 VAC ± 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 3500 VA
Mechanical	
Remote Interface	GPIO, LAN
RF Connectors	Type N
Physical	
Dimensions	19 in, 5U Case, 660 mm (26.0 in) Deep
Weight	48.0 kg (105.8 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors