

RF POWER AMPLIFIERS MODEL 8100-016



MODEL 8100-016

- MIL-STD 461 RS 103, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-016 RF Power Amplifier is a 320W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS 103, 200 V/m requirements. This TWT RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-016 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	8 GHz to 18 GHz
Nominal Output Power	320 W
Gain Variation	± 7.5 dB
Harmonics	6 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	1600 VAC
Mechanical	
Remote Interface	GPIO, LAN
RF Connectors	Input: Type N (f) Output: WRD 750
Physical	
Dimensions	19 in, 5U Case, 630 mm (24 in) Deep
Weight	45 kg (99 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors