

RF POWER AMPLIFIERS MODEL 8100-165



MODEL 8100-165

- MIL-STD 461 RS 103
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-165 RF Power Amplifier is a 550W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS 103 requirements. This Solid State RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-165 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	6 GHz to 18 GHz
Nominal Output Power	550 W
Gain Variation	61 ±4 dB
Harmonics	15 dBc Minimum
Output Impedance	50 Ω
Input VSWR	<2:1 Typical
AC Supply	3x 400 VAC, ±10%
Supply Frequency Range	47/63 Hz
Line Power	7000 VAC
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Input: Type N (f), Standard on Front Panel Output: WRD 500, Standard on Front Panel
Physical	
Dimensions	19 in, 12U Case, 630 mm (24.8 in) Deep
Weight	105 kg (231.5 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors