

# RF POWER AMPLIFIERS MODEL 8100-166



## MODEL 8100-166

- MIL-STD 464
- DO-160
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-166 Pulsed Solid State Power Amplifier** is a 3000 W power amplifier, designed primarily for EMC applications that include MIL-STD 464 and DO-160 requirements. This Solid State RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-166 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

Electrical	
Frequency Range	8 GHz to 18 GHz
Nominal Output Power	3000 W
Gain Variation	64.8 ±4 dB
Harmonics	15 dBc Minimum
Pulse Width	100 uS Maximum
PRF	1 kHz
Output Impedance	50 Ω
Input VSWR	<2:1 Typical
AC Supply	3x 400 VAC, ±10%
Supply Frequency Range	47/63 Hz
Line Power	7000 VA
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Input: Type N (f) Output: WRD 750
Physical	
Dimensions	19 in, 12HU Case, 630 mm (24.8 in) Deep
Weight	115 kg (253.5 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors