

RF POWER AMPLIFIERS MODEL 8100-080



MODEL 8100-080

- RTCA DO-160 Cat G, 5000 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-080 RF Power Amplifier is a 3000 W Pulsed TWT Amplifier, designed primarily for DO-160 Radiated Immunity and general RF applications that require at least 3000 W from 8 to 18 GHz.

The 8100-080 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	± 7.5 dB
Harmonics	-10 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	3 x 400 VAC +/- 10%
Supply Frequency Range	50/60 Hz
Line Power	< 3000 VA
Mechanical	
Remote Interface	GPIO, Ethernet, USB
RF Connectors	Input: Type N (f) Output: WRD 750
Physical	
Dimensions	19 in, 12U Case, 800 mm (31.5 in) Deep
Weight	108.0 kg (238.0 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors