

RF POWER AMPLIFIERS MODEL 8100-029



MODEL 8100-029

- RTCA DO-160 Cat F, 1500 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-029 RF Power Amplifier is a 2000 W Pulsed TWT power amplifier, designed primarily for EMC and general RF applications that require at least 2000 W from 8 GHz to 18 GHz.

The 8100-029 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	8 GHz to 18 GHz
Nominal Output Power	2000 W
Gain Variation	± 6 dB
Harmonics	-18 dBc Maximum
Pulsewidth	50 μ S Max
PRF	100 kHz Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	200/240 VAC
Supply Frequency Range	50/60 Hz
Line Power	<1300 VAC
Mechanical	
RF Connectors	Input: Type N (f) Output: WRD 750
Remote Interface	GPIO, LAN
Physical	
Dimensions	19 in, 6U Case, 800 mm (31.5 in) Deep
Weight	48.0 kg (106 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors