

RF POWER AMPLIFIERS MODEL 8100-027



MODEL 8100-027

- RTCA DO-160 Cat G, 3000 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-027 RF Power Amplifier is a 4000 W Pulsed TWT power amplifier, designed primarily for EMC and general RF applications that require at least 4000 W from 2 GHz to 8 GHz.

The 8100-027 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	2 GHz to 8 GHz
Nominal Output Power	4000 W
Gain Variation	± 7.5 dB
Harmonics	0 dBc Minimum
Pulsewidth	200 nS to 500 uS
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	< 2400 VAC
Mechanical	
Remote Interface	GPIO, LAN
RF Connector	Input: Type N (f) Output: SC (f)
Physical	
Dimensions	19 in, 12U Case, 800 mm (31.4 in) Deep
Weight	80 kg (176 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors