

# RF POWER AMPLIFIERS MODEL 8100-021



## MODEL 8100-021

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

**ETS-Lindgren's Model 8100-021 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 2 GHz to 8 GHz. Meets MIL-STD-461 G standards.

The 8100-021 provides very low distortion and tolerance for 100% mismatch.

## Technical Specifications

Electrical	
Frequency Range	2 GHz to 8 GHz
Nominal Output Power	2000 W
Gain Variation	$\pm 7$ dB
Harmonics	-10 dBc Maximum
Pulsewidth (Max)	50 $\mu$ S
PRF	100 kHz Maximum
Output Impedance	50 $\Omega$
Input VSWR	2:1 Typical
AC Supply	100/240 VAC
Supply Frequency Range	47 to 63 Hz
Line Power	1200 VAC
Mechanical	
RF Connectors	Input: Type N (f) Output: SC Female
Remote Interface	GPIB, LAN, USB
Physical	
Dimensions	19 in, 6HU Case, 800 mm (31.5 in) Deep
Weight	44.0 kg (97 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors