

# RF POWER AMPLIFIERS MODEL 8100-071



## MODEL 8100-071

- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-071 RF Power Amplifier** is a 6000 W Pulsed TWT power amplifier, designed primarily for high-power radar and advanced RF test applications that require at least 6000 W from 12.4 GHz to 18 GHz.

### Technical Specifications

Electrical	
Frequency Range	12.4 GHz to 18 GHz
Nominal Output Power	6000 W
Gain Variation	$\pm 5$ dB
Harmonics	-20 dBc Minimum
Pulsewidth	50 $\mu$ S
PRF	100 kHz Maximum
Output Impedance	50 $\Omega$
Input VSWR	<2:1 Typical
AC Supply	400 VAC, 3 Phase
Supply Frequency Range	47/63 Hz
Line Power	< 3000 VAC
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	Input: N (f), Output: WR 62
Physical	
Dimensions	19 in, 12U Case, 800 mm (31.5 in) Deep
Weight	100 kg (220.5 lb)