RF POWER AMPLIFIERS MODEL 8100-069



MODEL 8100-069

- **MIL-STD 461, RS103**
- **High Reliability MOSFET Design**
- **Excellent Performance and Efficiency**
- **Safety Interlock**

ETS-Lindgren's Model 8100-069 Pulsed TWT Power Amplifier is a member of our family of 4 GHz - 8 GHz high power amplifiers, designed primarily for EMC applications. The amplifier can be controlled from either the front panel or remote control via the Ethernet, USB and GPIB interfaces.

The amplifier operates in Class A, the benefits for EMC applications being very low distortion and tolerance of 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	4 GHz to 8 GHz
Nominal Output Power	7500 W
Gain Variation	± 4 dB
Harmonics	-20 dBc Maximum
Pulse Width	50 uS
PRF at 1 uS	100 kHz (Duty 6-10%)
PRF at 100 uS	1 kHz (Duty 6-10%)
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	3 x 400 VAC
Supply Frequency Range	47/63 Hz
Line Power	< 3500 VA
Mechanical	
Remote Interface	GPIB, LAN, Ethernet
RF Connectors	Input: N (f) Output: WRD 350
Physical	
Dimensions	19 in, 12U, 800 mm (31 in) Deep
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors
Weight	100 kg (220 lb)

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Information presented is subject to change as product enhancements are made.
Contact ETS-Lindgren Sales Department for current specifications.

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