

# RF POWER AMPLIFIERS MODEL 8100-127



## MODEL 8100-127

- RTCA DO-160 HIRF Cat L/G,
- Solid State
- High Reliability Silicon Design
- Excellent Performance and Efficiency
- Safety Interlock

**ETS-Lindgren's Model 8100-127 RF Power Amplifier** is a 8000 W Solid State power amplifier, designed primarily for EMC applications that include DO-160 and MIL-STD 464. Utilizing Silicon LDMOS technology, this RF amplifier provides higher linearity, rugged design in a more compact design.

The 8100-0127 provides very low distortion and tolerance for 100% mismatch.

### Technical Specifications

Electrical	
Frequency Range	1 GHz to 2 GHz
Nominal Output Power	8000 W
Gain Variation	± 10 dB
Harmonics	-20 dBc Minimum
Pulse Width	100 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, 3 Phase
Supply Frequency Range	47/63 Hz
Line Power	< 10000 VA
Mechanical	
Remote Interface	GPIB, Ethernet, USB
RF Connectors	Input: Type N (f) Output: 7/16 (f)
Physical	
Dimensions	21U Rack, 800 mm Deep
Weight	330 kg (727 lb)