

RF POWER AMPLIFIERS MODEL 8100-152



MODEL 8100-152

- RTCA DO-160 Cat L/G, 5000 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-152 RF Power Amplifier is a 4000 W Solid State Amplifier, designed primarily for DO-160 Radiated Immunity and general RF applications that require at least 4000 W from 1 to 2 GHz.

The 8100-152 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	1 GHz to 2 GHz
Nominal Output Power	4000 W
Gain Variation	± 3 db
Harmonics	-15 dBc Maximum
Pulsewidth	200 nS to 50 uS
PRF	100 kHz Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	400 VAC 3 phase
Supply Frequency Range	50/60 Hz
Line Power	< 5000 VAC
Mechanical	
RF Connectors	Input: Type N (f) Output: 7/16
Remote Interface	GPIB,LAN
Physical	
Dimensions	19 in, 12U Case, 800 mm (31.4 in) Deep
Weight	185.0 kg (407 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors