

8100-020 High Power Pulsed TWT Amplifier



ETS-Lindgren Model 8100-020 RF Power Amplifier is a 4000 W Pulsed TWT Amplifier, designed primarily for DO-160 Radiated Immunity and general RF applications that require at least 4000 W from 1 to 2 GHz.

Key Features

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

Specifications

Physical Specifications

Dimensions: 19 in, 8U Case, 630 mm (24.8 in) Deep
Weight: 60.0 kg (132.0 lb)
Case Style (Standard): Rack Mount with Real Panel Connectors

Electrical Specifications

Frequency Range: 1 GHz to 2 GHz
Nominal Output Power: 4000 W
Gain Variation: 7.5
Harmonics: -10 dBc Minimum
Pulsewidth: 200 nS to 50 uS
PRF: 100 kHz Maximum
Output Impedance: 50
Input VSWR: 2:1 Maximum
AC Supply: 200/240 VAC
Supply Frequency Range: 50/60 Hz
Line Power: < 2500 VAC
Remote Interface: GPIB, LAN
RF Connectors: Input Type N Female, Output 7/16 Female