

8100-021 High Power Pulsed TWT Amplifier



ETS-Lindgren's Model 8100-021 RF Power Amplifier is a 2000 W Pulsed TWT power amplifier, designed primarily for EMC and general RF applications that require at least 2000 W from 2 GHz to 8 GHz.

Key Features

- RTCA DO-160 Cat F, 1500 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

Specifications

Physical Specifications

Dimensions: 19 in, 6U Case, 630 mm (31.5 in) Deep
Weight: 44.0 kg (97 lb)
Case Style (Standard): Rack Mount with Real Panel Connectors

Electrical Specifications

Frequency Range: 2 GHz to 8 GHz
Nominal Output Power: 2000 W
Gain Variation: 7
Harmonics: -10 dBc Minimum
Pulse Width: 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: <1200 VAC

Remote Interface: GPIB, LAN
RF Connectors: Input Type N Female, Output SC Female