

RF POWER AMPLIFIERS MODEL 8100-018



MODEL 8100-018

- MIL-STD 461 RS103, 200 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-018 RF Power Amplifier is a 40W power amplifier, designed primarily for EMC applications that include MIL-STD 461 RS103, 200 V/m requirements. This TWT RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-018 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	26 GHz to 40 GHz
Nominal Output Power	40W Minimum
Gain Variation	± 6 dB
Harmonics	15 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	220 to 240 VAC ± 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 750 VAC
Mechanical	
Remote Interface	GPIB, LAN
RF Connectors	RF In: 2.92 mm; RF Out: WR 28
Physical	
Dimensions	19 in, 6U Case, 610 mm (24.0 in) Deep
Weight	37.0 kg (81.6 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors