

RF POWER AMPLIFIERS MODEL 8100-042



MODEL 8100-042

- 1 GHz to 6 GHz
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8100-042 RF Power Amplifier is a 25 W power amplifier, designed primarily for EMC and general RF applications that require at least 25W from 1 GHz to 6 GHz. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-042 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical	
Frequency Range	1 GHz to 6 GHz
Nominal Output Power	25 W
Gain Variation	± 3 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 240 VAC, 10% Single Phase
Supply Frequency Range	50/60 Hz
Line Power	<450 VA
Mechanical	
RF Connectors	Type N (f)
Remote Interface	GPIO, LAN
Physical	
Dimensions	19 in, 2U Case, 430 mm (17.0 in) Deep
Weight	13.0 kg (29 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors