

RF POWER AMPLIFIERS MODEL 8100-102



ETS-Lindgren's Model 8100-102 RF Power Amplifier is a 400W power amplifier, designed primarily for EMC applications that include IEC 61000-4-3, 30 V/m and Full Vehicle automotive requirements. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8100-102 provides very low distortion and tolerance for 100% mismatch.

MODEL 8100-102

- IEC 61000-4-3, > 30 V/m
- High Reliability
- Excellent Performance and Efficiency
- Safety Interlock

Technical Specifications

Electrical	
Frequency Range	1 GHz to 6 GHz
Nominal Output Power	400 W
Gain Variation	± 3 dB
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	400 VAC 10%, Three Phase
Supply Frequency Range	50/60 Hz
Line Power	<5000 VA
Mechanical	
Remote Interface	GPIO, Ethernet, USB
RF Connectors	Input: Type N (f) Output: 7/16 (f)
Physical	
Dimensions	19 in, 10U Case, 630 mm (24.8 in) Deep
Weight	121 kg (266 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors