

RF POWER AMPLIFIERS MODEL 8000-023



ETS-Lindgren's Model 8000-023 RF Power Amplifier is a 45W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-20 requirements using a GTEM up to 20 V/m. Utilizing GaAs technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers. The 8000-023 provides very low distortion and tolerance for 100% mismatch.

MODEL 8000-023

- IEC/EN 61000-4-20, 20 V/m
- Ideal for Testing in a GTEM!™
- High Reliability GaAs Design
- Excellent Performance and Efficiency
- Safety Interlock

Technical Specifications

Electrical	
Frequency Range	10 kHz to 1 GHz
Nominal Output Power	45W
Gain Variation	± 3 dB Maximum
Harmonics	-20 dBc Maximum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100 to 250 VAC, Single Phase
Supply Frequency Range	50/60 Hz
Line Power	< 300 VA
Mechanical	
Remote Interface	GPIO, USB , LAN
RF Connectors	Type N)f)
Physical	
Dimensions	19 in, 6U Case, 550 mm (21.7 in) Deep
Weight	25.0 kg (55.1 lb)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors

