

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 | GPIB, 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 |

