

RF POWER AMPLIFIERS MODEL 8000-093



MODEL 8000-093

- IEC/EN 61000-4-3, 20 V/m
- MIL-STD 461 RS 103
- Dual Coupled Sample Ports
- Excellent Performance and Efficiency
- Safety Interlock

ETS-Lindgren's Model 8000-093 RF Power Amplifier is a 1000-6000 MHz 300W power amplifier, designed primarily for EMC applications that include IEC/EN 61000-4-3, 20 V/m and MIL-STD 461 RS 103 requirements. Utilizing GaN technology, this RF amplifier provides higher linearity, rugged design and better efficiency performance versus silicon-based amplifiers.

The 8000-093 provides very low distortion and tolerance for 100% mismatch.

Technical Specifications

Electrical

Frequency Range	1000-6000 MHz
Nominal Output Power	300 W
Gain Variation	±3 dB
Harmonics	-20 dBc Minimum
Output Impedance	50 Ω
Input VSWR	2:1 Maximum
AC Supply	100-240 VAC
Supply Frequency Range	45-63 Hz
Line Power	<3 kVA

Mechanical

RF Connectors	Type N (f)
Remote Control	GPIO, Ethernet

Physical

Dimensions	19 in, 7U Rack, 600 mm (23.6 in) Deep
Weight	40 kg (88 lbs)
Case Style (Standard)	Rack Mount with Rear Panel Connectors
Case Style (Optional)	Bench Mount, Front Panel Connectors

8000-093 Output Power (1 dB)

