

Comtech PST ARD88258-50



50 Watt RF Power Amplifier, 0.8 - 2.5 GHz

Comtech's PST ARD88258-50 50 Watt RF Power Amplifier operates in the 0.8 - 2.5 GHz range and is a laboratory-quality, class "A" linear RF amplifier. The wireless communication frequency band is behind the design of the ARD88258 - 50, making it a versatile solution for testing wireless equipment. Fault monitoring and operation of the amplifier are controlled through an integral IEEE-488 interface bus.

Features

- Continuous 800 to 2,500 MHz Range
- IEEE-488 Remote Interface Bus
- CE Compliant Device

Specifications

Frequency Range	800 to 2500 MHz
Output Power	50 Watts at 1dB compression
Gain @ Rated Power Output	47 dB minimum
Gain Flatness (small signal)	±2.0 dB, typically

Input Overdrive	+10 dB above the 1 dB compression point
Input Signals	CW, FM, AM, Pulse and Phase Modulation
Noise Figure	10 dB typical
Class of Operation	Class A linear
Intermodulation Distortion (IMD)	< -30 dBc typical at 50W PEP
Harmonics	< -20 dBc
Spurious Signals	-60 dBc
Input VSWR	2:1
Load VSWR	Infinity, unconditionally stable
AC Input Voltage	115/220 VAC, 50/60 Hz, Single Phase
Input and Output RF connectors	Type "N" female