

Product Specifications

High Power RF Amplifiers

Specifications

- Frequency Range: 700Mhz to 2.1Ghz
- Frequency modulation types: GSM, WCDMA and CW
- Gain: Typical 43dB
- Power Output: 20 Watts, @ 1dB point
- **Built in Amplifier Safeguards**
 - VSWR protection with fault indicator when excessive power is reflected
 - Metering: Forward and reflected power metering via analog voltage of 1-5VDC
 - Temperature: Monitors heat sink temperature with over temperature shut down with fault indicator.
 - Power: Exceeding maximum power will cause the amplifier to shut down
 - Automatic Level Control: Feedback control loop maintains constant output level, can be user disabled
 - Gain control: 0-5VDC analog gain control
 - Mute control: Reduces power to a low level so that it is safe for switching applications
 - Input overdrive protection: reduces drive to power amplifier when input level exceeds limits
 - No input: low gain mode to prevent amplifier over-drive when input power is restored, with indicator
- Operating Voltage: 28 volts+/- 1VDC
- Operating Temperature: 0-50° C
- Input and Output VSWR: 1.5:1
- Mechanical size: typical is 3.4"*8.4"*1"
- Connector type: SMA
- Efficiency: >30%
- Non-Hermetic: Standard packaging

