



General Description

This ultra linear power amplifier pallet has been designed to cover the entire UHF TV band from 470 to 862MHz, offering OEMs a single, unsurpassed solution for their medium power amplifier designs.

Designed specifically for digital applications, the AMP-50DG-UHF incorporates microstrip technology and the latest generation of LDMOS power devices for increased ruggedness and reliability.

Technical Specification Summary

- Frequency Range: 470-862MHz
- Typ. Gain: 19.5 dB
- Supply Voltage: 26 V
- Typ. Efficiency: > 20% @ 20W DVB-T
- Working Class: AB
- Temperature Range: -10 to +55 C
- DVB: 20 Wrms
- Max VSWR: 3:1
- Analogue TV: 60Wps
- Dual tone: 100Wpep
- Devices: MRF9030

Key Features and functions

- Temperature compensated bias
- SmartBias® Infrared (optional) or Manual operated bias circuit
- High temperature protections
- Welded Board for optimum long term performances