



V/UHF SOLID STATE BROADBAND 50W HIGH POWER AMPLIFIER

Key Features

- Design is based on a LD MOSFET BLF645
- Solid State class AB design
- Instantaneous ultra broadband
- Built-in Protection, Control & Monitoring Circuits
- 50 ohm input/output impedance
- High reliability, ruggedness, and High Efficiency
- Complete metal shielding for EMI/EMC compliance
- Operating temp: -20Deg C to +70 deg C

Technical Specifications

- **Frequency of operation:** 30MHz to 512 MHz
- **Power Gain:** 60 dB(Min) Pout @47dBm
- **Input VSWR:** 1.5:1 9Max)
- **Harmonics:** -12dBc(min) Pout @+47dBm
- **Spurious:** -60dBc (Max)
- **Efficiency:** 35% (max)
- **Input / output impedance:** 50 Ohm
- **Input power:** +20 dBm
- **Mechanical**
 - **RF in/Out:** SMA2 Hole-Female
 - **Power Supply connector:** Feed trough capacitor
 - **Dimensions:** 155x65x30 mm
 - **Weight:** 0.43 Kg **Waveforms:** CW, AM, FM, FH, QAM and CPFSK
- **DC input Voltage / Current:** +28VDC +/-2V / 6A (Typ)
- **Max input signal (without damage):** 0dBm +/- 2.0dB

Benefits

- Standalone module. Comes with metal housing, so compliant to MIL 461E. Tested for JSS 55555 environmental specifications
- Standard DC voltage of 24V. Shielded interface connector for DC and control inputs

Our USP

Compact module.

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