



Key Features

- Professional solution for LPTV transmitting system
- Comprehensive detection and protection mechanisms
- Support entire UHF or VHF bands (specify with order)
- 50 dB fixed gain
- Powerful air cooling system (6 fans) for long service hours and high reliability

Specifications

RF Input

- Frequency: VHF / UHF
- Rated Input Power: 1 dBm $\pm$ 1 dB
- Connector: 1/2" N-type female 50 Ω

RF Output

- Frequency: UHF / VHF
- Rated Output Power: 250 W (ATV), 180 W (ATSC), 125 W (OFDM)
- Gain: 50 dB $\pm$ 1 dB
- Connector: 1/2" N-type female 50 Ω
- Shoulder Level: < -30 dB w/o pre-correction
- VSWR: $\leq$ 1.5

RF Monitoring (coupled RF Output)

- Connector: BNC female 50 Ω
- Rated Power: +1 dBm $\pm$ 3 dB

Others

- Power Supply: 90 ~ 264 VAC, 47 Hz ~ 63 Hz
- Operating Temperature: -10° C ~ +60° C (+14° F ~ +140° F), forced air cooling
- Operating Humidity: 20 % ~ 90 % (non-condensing)
- Atmospheric Pressure: 86 kPa ~ 106 kPa
- Size: 19" W x 3.5" H x 27.2" D
- Weight: 43 LBS
- Power consumption (full power): 880 W @ 180 W output (4 A/220 V)
- Power consumption (half power): 660 W @ 90 W output (3 A/220 V)