

Radiofrequency Modules Line

UHF BROADBAND DRIVER AMPLIFIER



ADDITIONAL FEATURES

- ☐ Built-in directional coupler for forward/reflected power measurement
- ☐ Programmable overcurrent protection
- ☐ RMS load/current voltage and VSWR measurement for reactive loads
- ☐ Balanced architecture for broadband input/output matching & unconditional stability
- ☐ Base plate dim: 110x60 mm
- ☐ Typical application: UHF TV Transmitters, driver for 433 or 650 MHz



UHF AMPLIFIER

RF CHARACTERISTICS

- Device: Ampleon BLP15H9S100
- Frequency range: 470-700 MHz
- DC Power supply: 50 V
- Input/Output impedance: 50 Ω
- Class: AB
- Test Signal: DVB-T/T2
- Output Power 10 W @40 dB MER, no predistortion; up to 150 W in pulsed CW (100 μ s, 10% duty cycle)
- Efficiency 65% @ 1dB gain compression
- Power Gain = 40 $\pm$ 1 dB over full frequency range

