

RF Linear Power Booster

Class A 1W Amplifier 100 MHz – 1 GHz

Linear amplification for
**DVB-H, DVB-T,
 T-DMB, DAB,
 8-VSB, 16-VSB...**
 Digital modulations



Enlarges your Digital TV broadcasting area

APPLICATIONS

Low Power local broadcast

- Distribute RF signal around premises
- No distortion and perfect signal
- Suitable for Digital TV RF signals

Development

- Distribute RF signal to all benches

Manufacturing

- Cover factory and production plants

Demonstration

- Get rid of perturbations
- Succeed in demos on exhibitions

KEY FEATURES

30 dB gain amplifier (VHF/UHF)

- Flat gain in the band
- 100 Mhz – 1 Ghz wide band
- 1W / +30 dBm max output level
- Max input level: 0dBm
- Ultra-low distortion

Compact and silent

- Passive cooling

INPUTS

RF input	1x RF (VHF/UHF) input on BNC connectors (50Ω adapted) 100 Mhz – 1 Ghz wide band Maximum input power level: 0 dBm
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DC Input

	Power input for power supply
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OUTPUT

RF output	1x RF (VHF/UHF) input on BNC connectors (50Ω adapted) 30 dB gain in the [100MHz-1GHz] band Maximum output power level: + 30 dBm Noise Factor: 3.5dB @ 1Ghz Compression @ 1dB: 31.5dBm (1413 mW) IP3: 50 dBm@1GHz
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MECHANICAL

Dimensions	100 x 65 x 66 (in millimeters) (w x h x d) 3.9 x 2.6 x 2.6 (in inches)
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ORDERING CODE

RFBooster 1W	1W Class A Linear Amplifier
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