

# 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

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

#### DC Input

	Power input for power supply
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#### OUTPUT

<b>RF output</b>	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

<b>Dimensions</b>	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

<b>RFBooster 1W</b>	1W Class A Linear Amplifier
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