



**BONN HUNGARY
ELECTRONICS**

**DIELECTRIC RESONATOR
OSCILLATOR
VOLTAGE TUNED**

**BODV
Family
NDS # 201**

an ISO 9001 Certified Company



- **LOW PHASE NOISE**
- **WIDE TEMPERATURE RANGE**
- **SMALL SIZE**

This family of Voltage Tuned Dielectric Resonator Oscillator is intended for use in signal sources, which can be found in industrial, military and scientific equipment. It's electronic tuning capability and low phase noise makes it exceptionally suitable for use in phase locked local oscillators.

ELECTRICAL CHARACTERISTICS :

Operating Frequency Range	5 - 13 GHz
Electronic Tuning Range (*)	< ± 500 ppm (± 5 MHz @ 10 GHz)
Frequency Stability (**)	< ± 300 ppm
Output Power	+13 dBm min.
Phase Noise @12GHz	< -110 dBc/Hz @ 100 kHz
Harmonics	- 25 dBc
Spurious	< - 90 dBc
Output VSWR	max. 2
Pulling Figure (***)	< ± 200 kHz
Pushing Figure	< 1 MHz / V
DC Supply	+ 6 V / 80 mA
Operating temperature range	- 40 to +85 °C

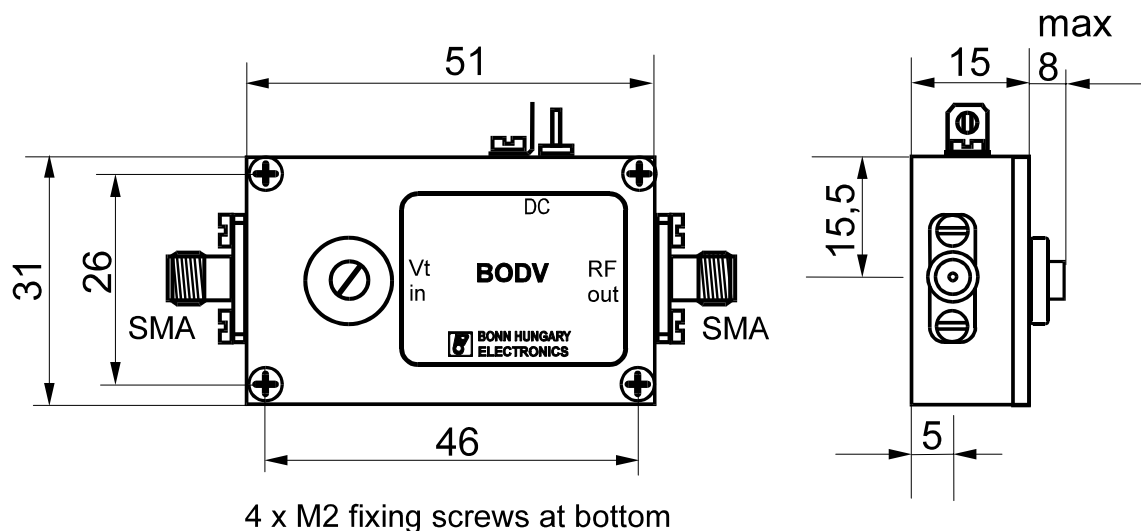
(*) Tuning voltage is between 1 ...+10 V

Specifications are subject to change without notice.

(**) -40 ... +85 °C

(***) @ 12 dB return loss

OUTLINE DIMENSIONS (mm):



BONN Elektronik 
RF Systems, Instruments and Components

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