



**BONN HUNGARY
ELECTRONICS**

**DIELECTRIC RESONATOR
OSCILLATOR
MECHANICALLY TUNED**

**BODM
Family
NDS # 200**

an ISO 9001 Certified Company



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

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

ELECTRICAL CHARACTERISTICS :

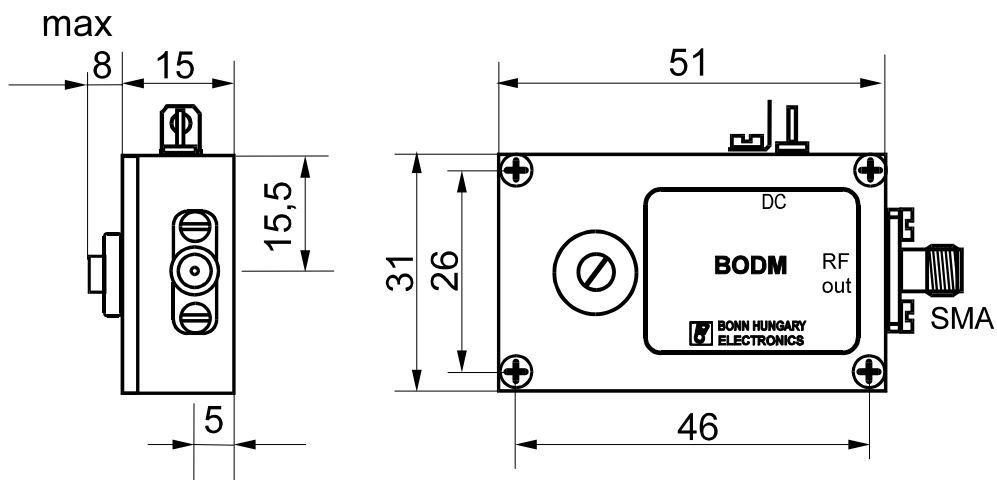
Operating Frequency Range	5 - 13 GHz
Mechanical Tuning Range	$> \pm 0.5\%$
Frequency Stability (*)	$< \pm 300 \text{ ppm}$ ($\pm 3 \text{ MHz}$ @ 10 GHz)
Output Power	+13 dBm min.
Phase Noise @ 12 GHz	$< -110 \text{ dBc/Hz}$ @ 100 kHz
Harmonics	- 25 dBc
Spurious	$< -90 \text{ dBc}$
Output VSWR	max. 2
Pulling Figure (**)	$< \pm 200 \text{ kHz}$
Pushing Figure	$< 1 \text{ MHz / V}$
DC Supply	+ 6V / 60 mA
Operating temperature range	- 40 to +85 °C

(*) -40 ... +85 °C

(**) @ 12 dB return loss

Specifications are subject to change without notice.

OUTLINE DIMENSIONS (mm):



4 x M2 fixing screws at bottom

BONN Elektronik
RF Systems, Instruments and Components



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