



**BONN HUNGARY  
ELECTRONICS**

**PHASE LOCKED VCO**

**BOVE**  
Family  
NDS # 206

an ISO 9001 Certified Company



- **COMPACT DESIGN**
- **ECONOMY VERSION**

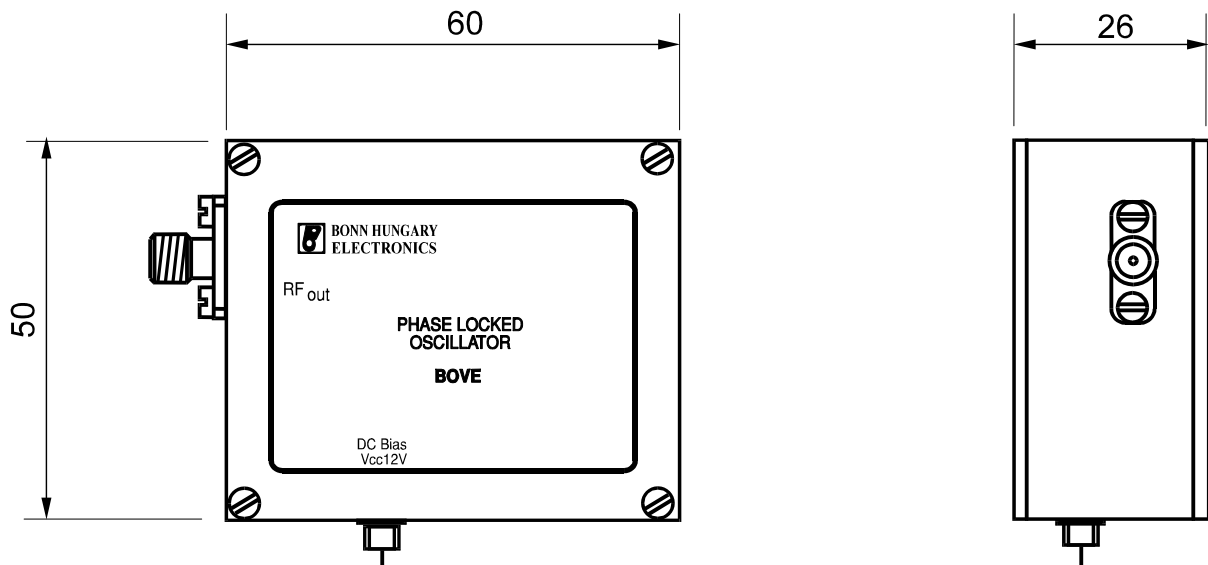
This synthesized frequency oscillator is intended for use in different applications as a high stability local oscillator, where clean output signal, compact size, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation, radar and communication monitoring equipment.

**ELECTRICAL CHARACTERISTICS**

|                              |                                     |                        |
|------------------------------|-------------------------------------|------------------------|
| Frequency Range              | 300 to 2700 MHz                     | example: 1700 MHz      |
| Output Power                 | 0 ... +17 dBm                       | +10 dBm                |
| Internal Reference Stability | $\pm 2$ ppm (opt. $\pm 0.2$ ppm)    | $\pm 2$ ppm            |
| SSB Phase Noise @ 1KHz       | < -80 ... -65 dBc (*)               | < -76 dBc              |
| @ 10 KHz                     | < -95 ... -75 dBc (*)               | < -95 dBc              |
| @ 100 KHz                    | < -116 ... -100 dBc (*)             | < -116 dBc             |
| Spurious                     | < -75 ... - 65 dBc                  | < - 75 dBc             |
| Power Supply                 | 12 ... 22 V /100 mA DC              | 12 ... 22 V /100 mA DC |
| Operating Temperature Range  | 0 to + 50 °C (opt. - 20 to + 60 °C) | - 20 to + 60 °C        |
| Alarm Output                 | optional                            | optional               |
| $\Phi$ Output Voltage Range  | optional                            | optional               |
| Dimensions                   | 60 x 50 x 26 mm                     | 60 x 50 x 26 mm        |

Specifications are subject to change without notice.

**OUTLINE DIMENSIONS (mm):**



**BONN Elektronik**  
RF Systems, Instruments and Components



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