

Blokañ

Real Diode Tube Ring modulator

- Signal Input **1**
- Signal Output **2** - with stereo cable
- External Carrier Input **3** normaled to the built in VCO
- CV V/Oct Input **4**
- Saw VCO Output **5**
- Frequency **6** (with cv control)
- Input Volume **7**
- Carrier Volume **8**

Blokañ is a new ring modulator module for Eurorack that is based on tubes and transformers. Blokañ is built around on the classic diode ring, where the diodes are tube based.

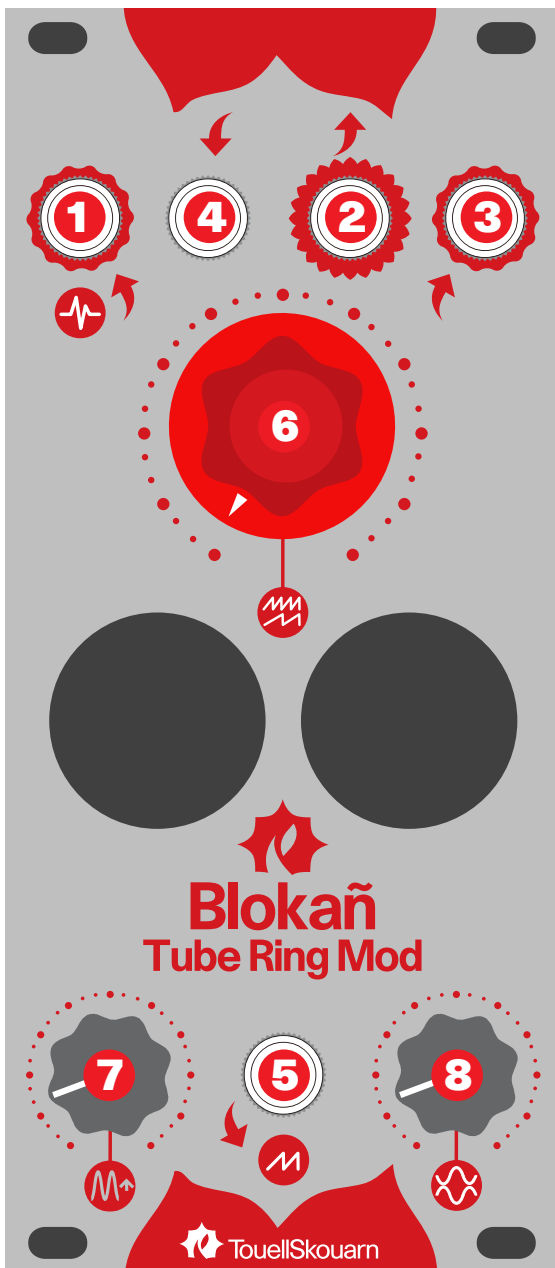
The module uses a built in carrier signal (Saw wave) VCO (V/Oct) with is own output.

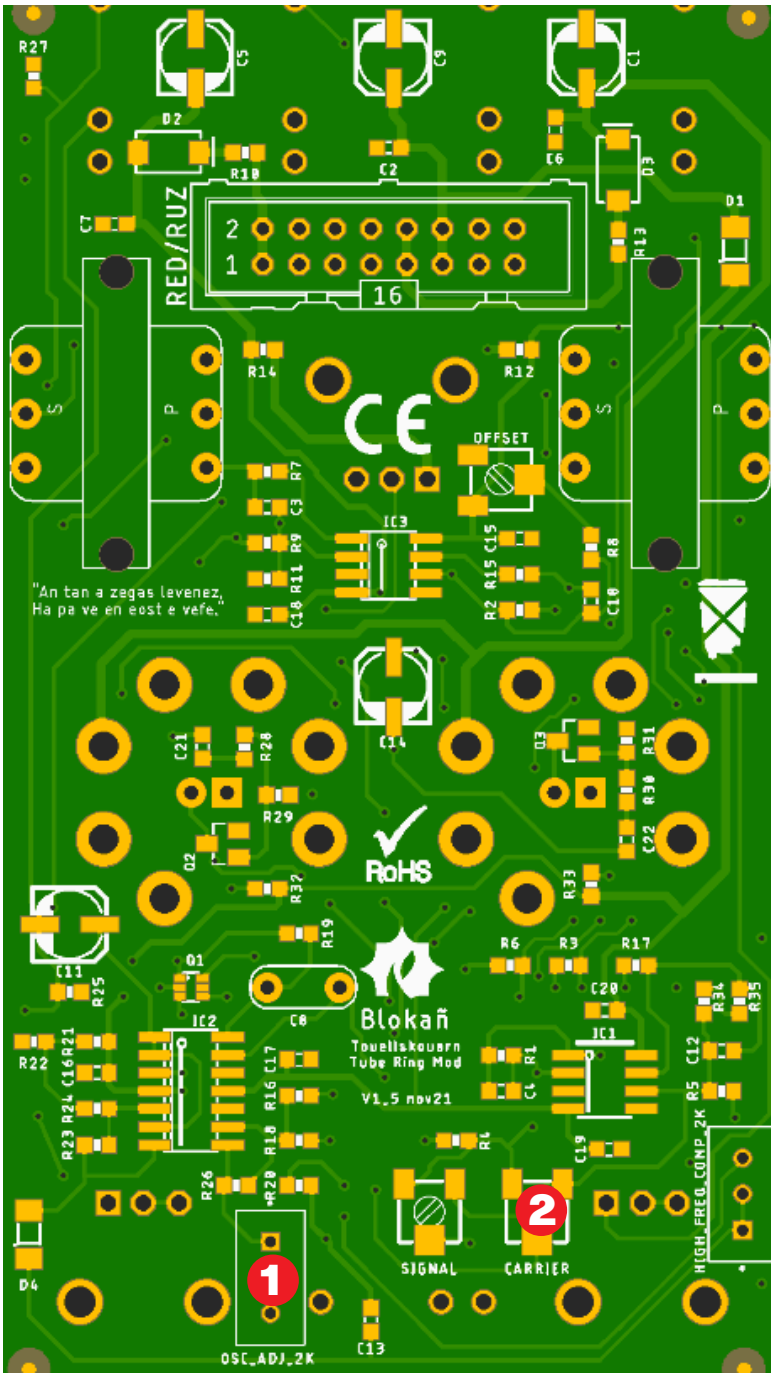
The built in Saw VCO is normaled to the External Carrier input.

Compatible with 6AL5, EB91, EAA91 tubes

Consumption :

- **5v : 600mA !!!**
- 12v : 18mA
- -12v : 18mA





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Trimmers :

- 1V/Oct Calibration **1**
- Carrier Nul **2**

The built in Blokañ vco is responding to 1v/Oct. You can adjust calibration by Gently turning the multiturn Osc ADJ Trimmer.

Every time you double the Voltage at the Input of the CV input jack, the frequency of the VCO out should be doubled too.
 1V in --> 100Hz out
 2V in--> 200Hz out

The Carrier Trimmer is trying to null the Carrier output. Turn the Carrier Volume knob all the way up, pick a mid Frequency with the Frequency knob then adjust the Carrier Trimmer until you hear a reduction of the bleeding of the carrier.

Note that Diodes Tubes and transformers can be exaltly matched, resulting a bleeding of the carrier sound, but you can attenuate it a little. There is no way that you can achieve a perfect RingMod carrier Null (as the ones in digital domain).