

If you are reading this, most probably, you are about to build Erica Synths DIY Polivoks VCF. This module is 30mm deep, skiff friendly, has solid mechanical construction and doesn't require wiring. Polivoks VCF is famous for its' crazy resonance sweeps and deep, bassy sound which makes it ideal for acid basslines. We believe, this is one of most is one of most authentic sounding famous Russian synth Polivoks VCF emulations available. The original Russian ICs K140UD12 are used in the sound circuit. We did several updates to adapt the VCF for contemporary modular synth demands. Independently buffered inputs, extended Cutoff knob range, eliminated clicks, when switching filter modes, and output stage added to eliminate signal inversion.

The DIY Polivoks VCF kit comes in three versions:

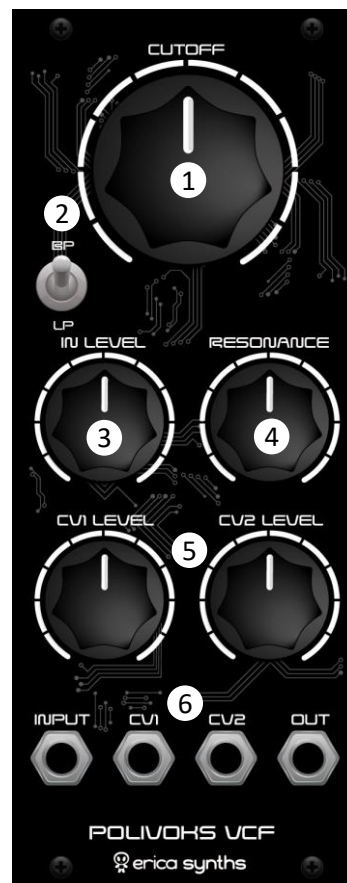
- 1) PCB + 2xK140UD12 ICs,
- 2) PCB + 2xK140UD12 ICs + panel,
- 3) Full kit.

FEATURES:

- Switchable BP/LP modes
- Inputs/outputs are protected against over-voltage
- Protection on reversed power supply
- Skiff friendly design

SPECIFICATIONS:

- | | |
|---------------------|--------------------------|
| • Input level | up to 20Vptp |
| • CV input level | -10V - +10V |
| • Filter modes | BP(6dB/oct)/LP(12dB/oct) |
| • Module width | 10HP |
| • Module depth | 30mm |
| • Power consumption | 11mA@+12V, 11mA@-12V |



- ① Big knob makes a difference! This is a filter cutoff frequency control.
- ② Switch between lowpass and bandpass filter modes!
- ③ Adjust input signal level with this knob!
Polivoks VCF is famous for its crazy resonance sweeps and self oscillation. Use this knob with responsibly!
- ④
- ⑤ Adjust cutoff CV levels!
- ⑥ These are inputs and outputs – no mystery here.