

PRC3A - SV Filter

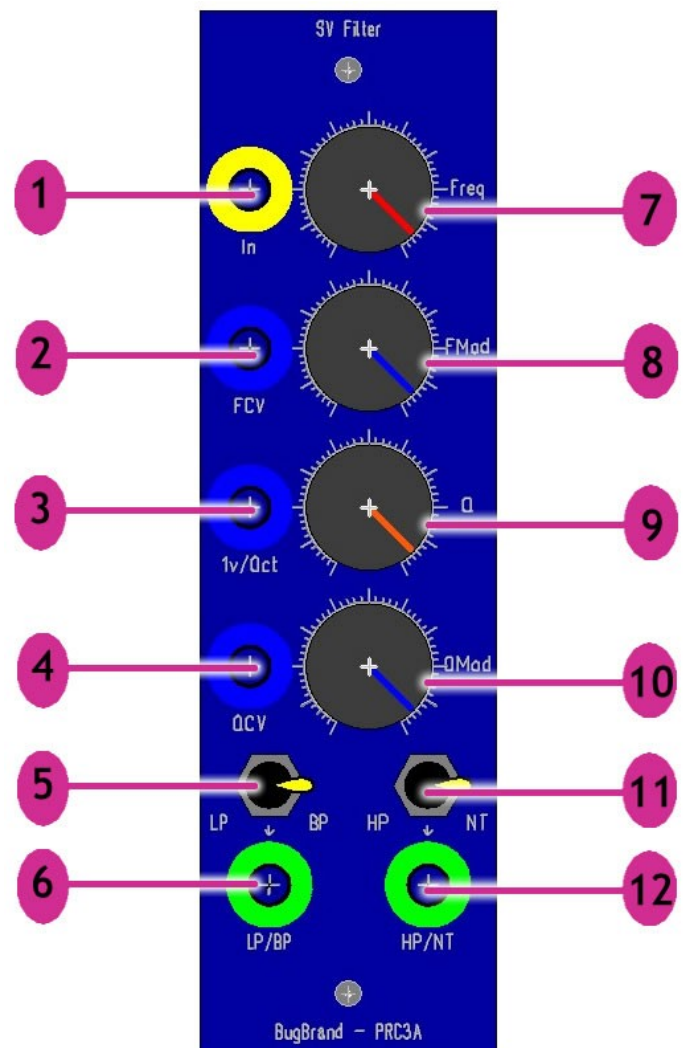
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Overview:

The PRC3A is a compact State Variable (12db/Oct) Voltage Controlled Filter offering four responses.

Controls:

1. **Audio Input** - DC-coupled input for the signal to be processed (typical +/-5v).
2. **Frequency CV1** - Frequency Modulation input with depth control (FMod).
3. **Frequency CV2** - Full range (unattenuated) Frequency Modulation.
4. **Q CV** - Input for Resonance Modulation with depth control (QMod).
5. **Output1 Response** - Switchable from LoPass to BandPass response.
6. **Output1**
7. **Frequency Control** - Manual Cutoff control covering the full audio range.
8. **Frequency Modulation Depth** - To adjust the depth of modulation from the FCV input.
9. **Q Control** - Manual Resonance control - the design does *not* self-oscillate!
10. **Q Modulation Depth** - To adjust the depth of resonance modulation from the QCV input.
11. **Output2 Response** - Switchable from HiPass to Notch response.
12. **Output2**



Notes

- The Notch response is derived by internally adding together the LoPass & HiPass responses. It is most effective when used with a low value of resonance.
- You can 'ring' the filter by inputting a clock signal to the Input socket (or a similar lo-freq square wave) and turning the Resonance control to full. The 'pitch' of the ring can then be adjusted with the Frequency controls.
- The 1v/Oct response is only rough - there are no trimmer adjustments due to the lack of self-oscillation.

Specifications

Current Draw: +ve 20mA, -ve 20mA (max)
Module Width: 1 Frac-Width (1.5")

