

To use an OPA627 with reduced bandwidth (vs. the OPA 1656) change resistor values for R8 and R9 to:

> 2nd order $R_8 = 34.8 \text{ k}\Omega$, $R_9 = 0 \Omega$

> 3rd order $R_8 = (19.6 \text{ k}\Omega)$ $R_9 = (15.0 \text{ k}\Omega)$ (OK with 18.2K and 16.9K per Marcel)

R3 and C4: damper for OPA1656 with a cartridge that requires a low load capacitance and a turntable with a shorting switch, see <https://www.diyaudio.com/community/threads/opa1656-phono-preamp-split-from-opa1656-thread.377331/> particularly posts 1, 16, 140 and 141.

Regarding R13, C2, R6, R7, R8, and R9:

Values shown below are for use with the OPA 627, with midband gain = 46dB and a 2nd order sub-sonic filter with $f_c = 16\text{Hz}$. (JRA version)

> Original Notes and DWG modified by JRA – 6/16/2025

> Right channel shown. For Left channel multiply component designator by 10.

