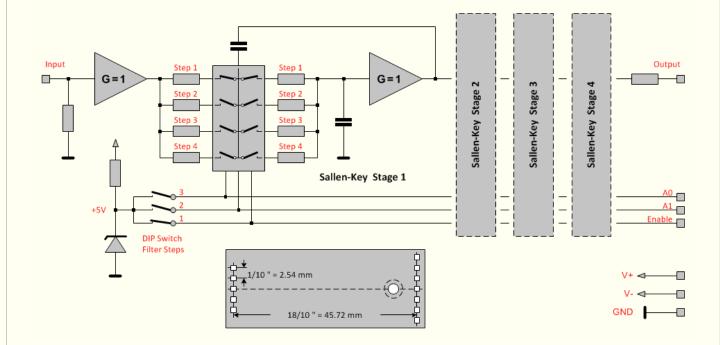
Pure analogue: ACTIVE FILTERS AF08



8th Order Sallen-Key Low-Pass Design

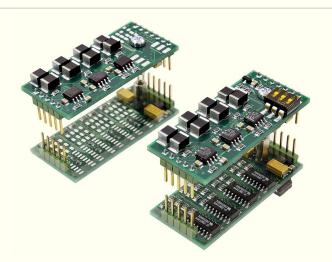
- Preferred application: Anti Aliasing Filters
- Available filter responses:
- Butterworth
- Bessel
- 2 designs available:
 - · A: single fixed frequency only
 - B: 4 switchable filter steps
- Standard configuration:
 - Filter response: Butterworth
 - Steps: 100 200 500 1000 [Hz]
 - Stage order: High overload immunity (others on request)
- Remote control of filter steps: TTL/CMOS comp.
- Power supply: ±5 to ±15 VDC. Approx 0.75 W depending on optimisation alternatives
- Size of modules: 22 x 48 [mm²]
 Grid of connectors in 1/10" (2.54 mm)
 for easy mounting on main boards



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- Assembled with 2nd, 4th, 6th or 8th order single frequency and /or 2, 3 or 4 switchable filter steps.
- Realisable frequency span at switchable filteres approx. 1 to 10 (e.g. 100 Hz to 1 kHz).
- Assembled with film caps (best AC performanche) or ceramic caps (COG, for higher frequencies only).
- Stage order designed for low noise improvement (stage with highest Q first or high signal level improvement (stage with highest Q last default configuration).
- Optimised for best AC performance "Audio grade"-OpAmps for low noise and low harmonic distorsions (e.g. for sound measurement).
- Optimised for best DC performance low offset / low drift OpAmps for high requirements on DC accuracy such as offset voltage, temperature drift etc. (e.g. for strain gauge amplification).
- Optimised for low power consumption low power OpAmps for battery-powered equipment.
- Main boards for 4 filter modules available. Installation of the main boards in housings plus suitable power supply as a service.



A: single fixed frequency B: switchable filter steps