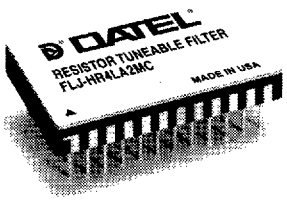
DATEL®
INNOVATION and EXCELLENCE

FLJ-HR Series
Resistor-Tunable Active Filter

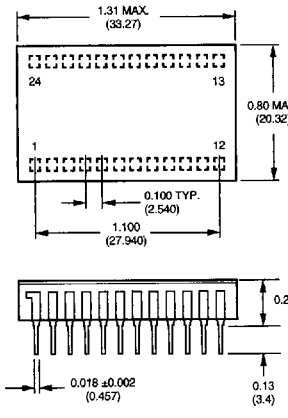
FEATURES

- **Cutoff or center frequency is set by only four resistors**
- **High-reliability (QL) versions**
- **Wide operating temperature ranges**
- **Small, 24-pin ceramic DDIP package**
- **A variety of functions and families**



GENERAL DESCRIPTION

DATEL's FLJ-HR Series are a new type of resistor-tunable active filters designed to have long life and high-reliability features. The FLJ-HR Series are packaged in 24-pin ceramic DDIP's and operate over the –40 to +85°C (MC version) temperature range. Units that operate over the –55 to +125°C military temperature range (MM versions) and devices with high-reliability screening (-QL versions) are also available. All versions have passed very severe qualification tests to prove their high reliability and longevity. The FLJ-HR Series employ state-variable methods, as does DATEL's FLJ-UR Series, to allow system designers to expand their functions. The cutoff or center frequency can easily be set by only four external resistors.



MECHANICAL DIMENSIONS
Inches (mm)

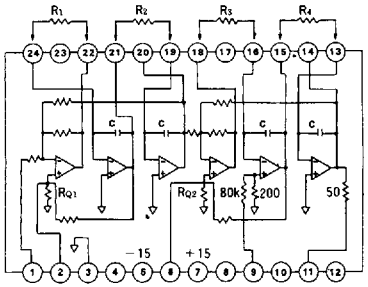
Dimension Tolerances (unless otherwise indicated):
2 place decimal (.XX) ±0.010 (±0.254)
3 place decimal (.XXX) ±0.005 (±0.127)

Lead Material: Kovar alloy

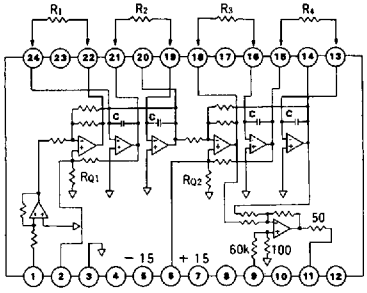
Lead Finish: 50 microinches (minimum) gold plating over 100 microinches (nominal) nickel plating

BLOCK DIAGRAMS

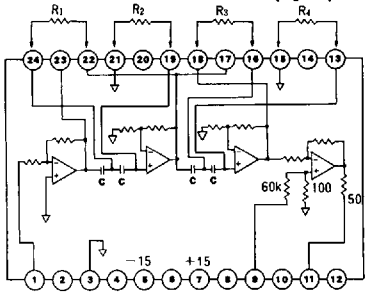
FLJ-HR4LA1/2
4-POLE LOWPASS BUTTERWORTH (Fig.1-1)



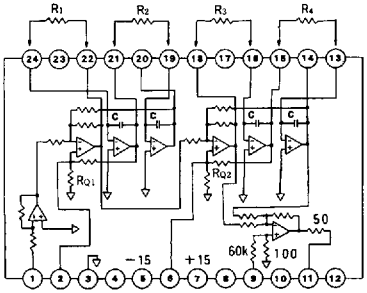
FLJ-HR4LB1/2
4-POLE LOWPASS CAUER (Fig.1-2)



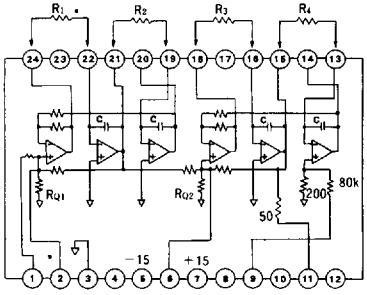
FLJ-HR4HA1/2
4-POLE HIGHPASS BUTTERWORTH (Fig.1-3)



FLJ-HR4HB1/2
4-POLE HIGHPASS CAUER (Fig.1-4)



FLJ-HR2BA1/2
2-POLE PAIR BANDPASS BUTTERWORTH (Fig.1-5)



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