

Active Filter Dual SW-CAP Band Pass 4th Order 57kHz 24-Pin PDIP N



Images are for reference only

[Inquiry](#)

Manufacturer: [Maxim Integrated](#)

Package/Case: Correctoriginal

Product Type: Active Filter

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MAX263/264 and MAX267/268 CMOS switched-capacitor active filters are designed for precision filtering applications. Center frequency, Q, and operating mode are all selected via pin-strapped inputs. The MAX263/264 uses no external components for a variety of bandpass, lowpass, highpass, notch and allpass filters. The MAX267/268 is dedicated to bandpass applications and includes an uncommitted op-amp. Two second-order filter sections are included in both devices. An input clock and a 5-bit programming input precisely set the filter center/corner frequency. Q is also programmed from 0.5 to 64. Separate clock inputs for each filter half operate either an external clock or a crystal. The MAX263 and 267 operate with center frequencies up to 57kHz while the MAX264 and 268 extend the f_0 range to 140kHz by employing lower f_{CLK}/f_0 ratios. The MAX263/264 is supplied in 28 pin wide DIP and small outline packages while the MAX267/268 is supplied in 24 pin narrow DIP and wide SO packages. All devices are available in commercial, extended, and military temperature ranges.

Key Features

Supply voltage range is 2.37V to 6.3V

Operating temperature range from 0°C to 70°C

32 step centre frequency control

128-step Q control

Independent Q and f_0 programming

Slew rate 6V/ μ s, gain bandwidth product of 2.5MHz

Recommended For You

MAX293CPA

Maxim Integrated

DIP8

MAX291ESA+

Maxim Integrated

SOP-8

MAX7400CSA+

Maxim Integrated

SOIC(N)

MAX295EPA+

Maxim Integrated

PDIP8

MAX7409EUA+

Maxim Integrated

MSOP8

MAX7427CUA

Maxim Integrated

MSOP8

MAX7400ESA+

Maxim Integrated

SOP-8

MAX274ACNG+

Maxim Integrated

DIP24

MAX293CPA+

Maxim Integrated

DIP8

MAX7410EUA+

Maxim Integrated

MSOP8

MAX280CPA+

Maxim Integrated

DIP-8

MAX274AENG+

Maxim Integrated

DIP

MAX274AEWI+

Maxim Integrated

SOP28

MAX296ESA

Maxim Integrated

SOP-8

MAX7415CUA+

Maxim Integrated

SMDSMT