

BAND PASS FILTERS

NARROW BAND PASS CRYSTAL FILTERS

Frequency Range: 1.0MHz to 100.0MHz
Available Operating Temperature Ranges:
0°C to 50°C
-10° to 60°C
-20°C to 70°C
-40°C to 90°C

Narrow band pass crystal filters are designed to pass a narrow frequency band and reject all other frequencies. The maximum band width using fundamental mode crystals is 0.3% of the centre frequency and is 0.03% when using third overtones.

INTERMEDIATE BAND PASS CRYSTAL FILTERS

Frequency Range: 1.0MHz to 100.0MHz

The maximum bandwidth of this range of crystal filters is 2.0% of the centre frequency.

LINEAR PHASE CRYSTAL FILTERS

Frequency Range: 1.0MHz to 180.0MHz

To avoid distortion and ringing due to group delay it is necessary to have a flat time-delay characteristic. The group delay of a highly selective filter, varies considerably within the pass band. This introduces distortion into digital and low noise transmission signals. These problems can be overcome by specifying a Linear phase crystal filter.

SPECIALIST CRYSTAL FILTERS

COMB FILTER BANKS

Frequency Range: 1.0MHz to 100.0MHz

A comb filter bank is made up of a number of crystal filter elements which are used to divide a particular frequency spectrum into discrete elements.

BAND-REJECT FILTERS

Frequency Range: 1.0MHz to 100.0MHz

A band reject filter is a narrow band device which will reject a single frequency from a spectrum of frequencies

- Custom designed and manufactured
- Wide range of filter models
- Speedy design and development