



ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Filters and Products



99.96 MHz Crystal Filter

Part Number: AM99.96CR230

Center Frequency (Fo): 99.96 MHz

Bandwidth: 3 dB BW \pm 4.8 kHz Minimum @ +25 C

Passband Ripple: 0.4 dB Maximum over Fo \pm 3.1 kHz

Group Delay: 200 us Maximum from Fo \pm 3.1 kHz

Group Delay Variation:

a. 7 us Maximum from Fo \pm 1.0 kHz

b. 35 us Maximum from Fo \pm 1.0 kHz to 3.1 kHz

Insertion Loss: 7 dB Maximum

Return Loss: 15 dB Minimum within \pm 3.1 kHz

Out of Band Attenuation: Must be below worst case Insertion Loss

a. >40 dB for >Fo \pm 30 kHz

b. >60 dB for >Fo \pm 50 kHz

Poles: 10 or whatever is needed.

Input Power = 10 dBm

Source and Load Impedance: 50 Ohms

Operating Temperature: -20 C to +85 C

Package: Surface Mount

Bi-Directional

(Note: All attenuation is referenced to the filter CF)