



ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Filters and Products



99.96 MHz Crystal Filter

P/N: AM99.96CR256

Center Frequency:	99.96 MHz
Passband Ripple:	0.8 dB max over $F_o \pm 3.5$ KHz
Group Delay:	200 us Maximum from $F_o \pm 3.5$ kHz
Group Delay Variation:	14 us Maximum from $F_o \pm 1.0$ kHz 70 us Maximum from ($F_o - 1.0$ kHz) to ($F_o - 3.5$ kHz) 70 us Maximum from ($F_o + 1.0$ kHz) to ($F_o + 3.5$ kHz)
Insertion Loss:	9 dB Maximum
Return Loss:	15 dB Minimum within ± 3.5 kHz
Out of Band Attenuation:	>85 dB for $F_o + 80$ KHz >60 dB for $F_o \pm 37.5$ KHz >30 dB for $F_o \pm 75$ KHz >25 dB for $F_o + 40$ KHz >25 dB for $F_o \pm 30$ KHz
IMD:	Two neg 5dB tones, 500hz apart within stated passband shall have 3rd order products 60dBc at output. Best efforts to 70 dBc.
Input Power:	Neg 5dBm max
Source and Load Impedance:	50 Ohms
Operating Temperature:	-20 C to +85 C
Package:	Surface Mount 2.25" X 0.75" X 0.5" (height)
Bi-Directional:	Bi-directional response for all specs except IMD. Input will be marked. Output: best efforts for IMD spec as we optimize for a single direction.