



ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Filters and Products



99.96 MHz Crystal Filter

P/N: AM99.96CR251

Center Frequency:	99.96 MHz
Passband Ripple:	0.4db max at 25 +/-5 degrees C, 1db max over temp range
Group Delay:	200 us Maximum from Fo ± 3.5 kHz
Group Delay Variation:	7 us Maximum from Fo ± 1.0 kHz 35 us Maximum from (Fo - 1.0 kHz) to (Fo - 3.5 kHz) 35 us Maximum from (Fo + 1.0 kHz) to (Fo + 3.5 kHz)
Insertion Loss:	7 dB Maximum
Return Loss:	15 dB Minimum within ± 3.5 kHz
Out of Band Attenuation:	>40 dB for >Fo ± 30 kHz 50 dB for >Fo ± 75 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.

