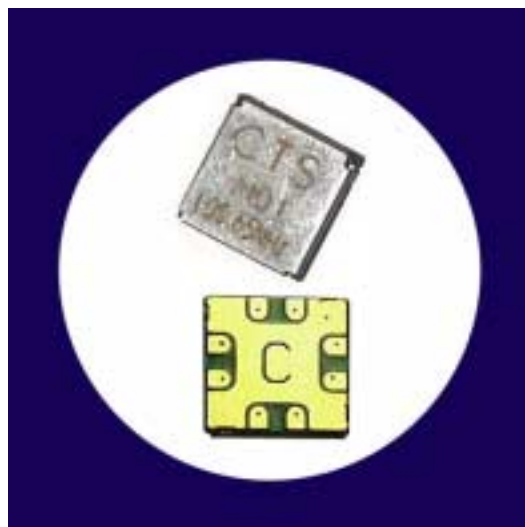


Features:

- 6-Pole IF Filter Performance
- Low Profile Surface Mount Package
- Excellent Shock and Vibration Capability

Description and Applications:

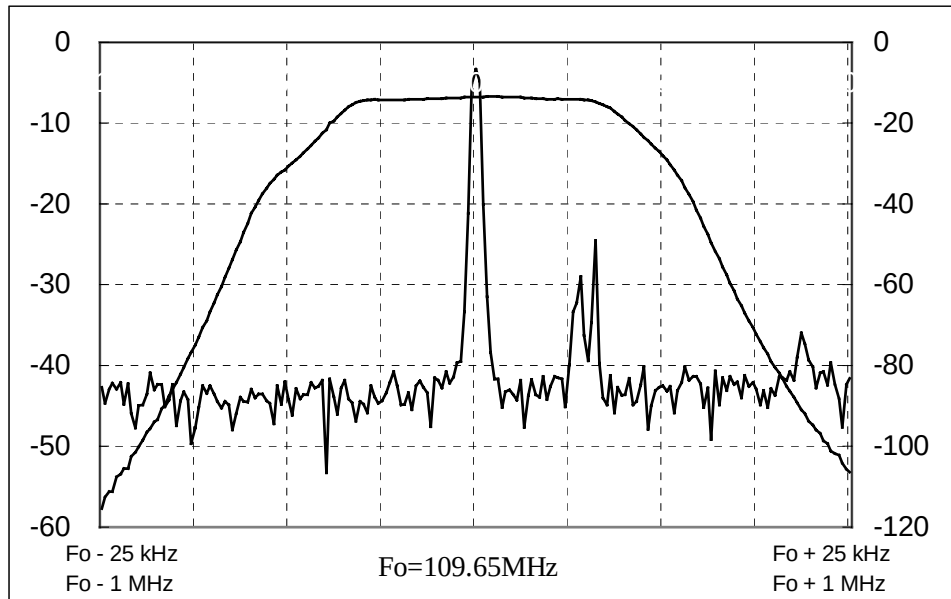
Surface mount 10.2x10.2mm IF filter for use in two-way radios, and telecommunications infrastructure where high quality IF filtering is necessary to meet the toughest of signal purity applications.

**Electrical Specifications:**

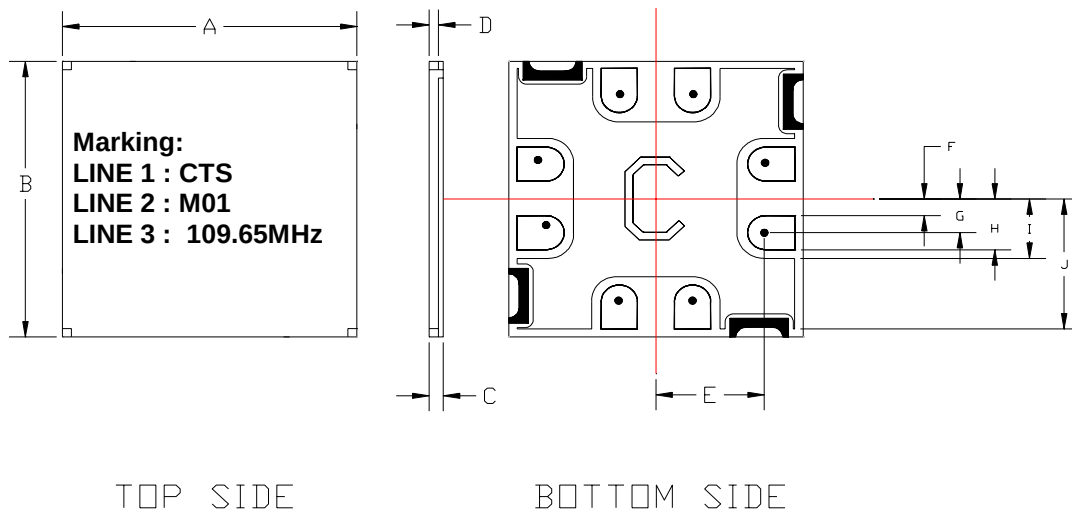
ATFN1000A	Specification
Center Frequency Fo	109.65Mhz (3 rd Overtone)
Insertion Loss (including test fixture)	8.0 dB max.
Ripple (± 5 KHz)	1.0 dB max.
Passband (± 5.75 KHz)	3.0 dB max.
Stopband (± 25 KHz)	25 dB min
Spurious Attenuation (Fo+50KHz to +900 KHz)	15 dB min
Group Delay (Fo ± 6.75 KHz)	35 us max
Intermodulation (Two -20 dBm tones, at Fo+/-25KHz and Fo+/-50KHz)	-90 dB max.
Terminating Impedance	1600 Ω // -1.5pF Coupling Capacitor 3.0 pF
Operating Temperature	-30°C ~ +85°C

Crystal Filter Module

Filter Response:



Mechanical Dimensions (mm):



	A	B	C	D	E	F	G	H	I
mm	10.2 Max	10.2 Max	2.03 Max	1.19 Max	3.81 Max	0.635 Max	1.397 Max	1.905 Max	2.667 Max