



WIRELESS COMPONENTS

Model ATFN6024A

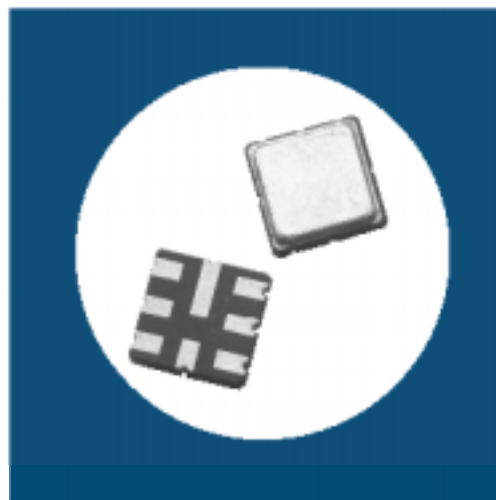
Crystal Filter

Features:

- 3-Pole IF Filter Performance
- Low Profile Seam Weld Package
- Excellent Shock and Vibration Capability

Description and Applications:

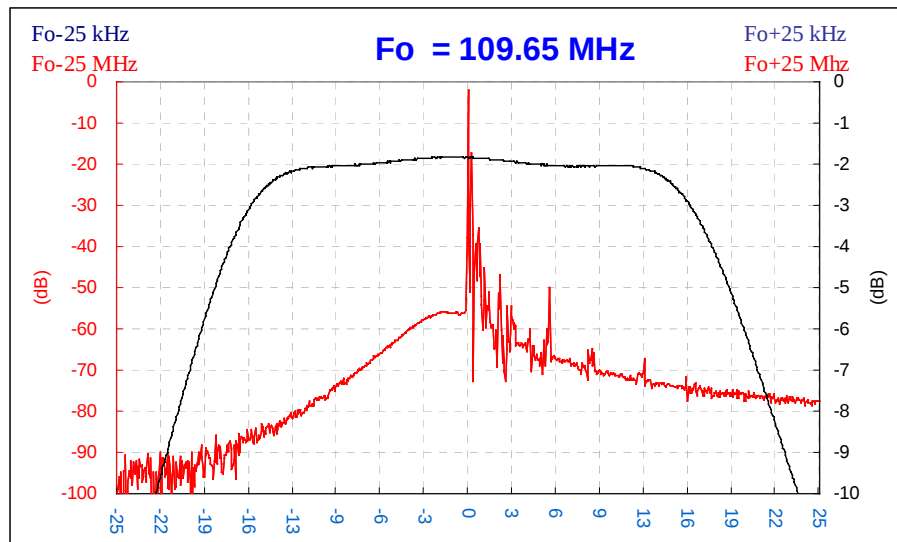
Surface mount 3.8x3.8mm IF filter for use in analog phones, the analog component of multi-mode phones, digital TDMA applications, two-way radios, and telecommunications infrastructure



Electrical Specifications:

ATFN6024A	Specification
Center Frequency Fo	109.65 Mhz (3 rd Overtone)
Insertion Loss	2.5 dB max.
Ripple (± 10 KHz)	0.5 dB max.
Passband (± 10 KHz)	0.5 dB max.
Stopband (± 25 KHz)	3 dB min
Stopband (± 60 KHz)	22 dB min
Equalized atten. (A1=1.0, A2=0.5)	
(A1*Fo-60KHz+A2*Fo-120KHz)	45 dB min
(A1*Fo-120KHz+A2*Fo-330KHz)	48 dB min
(A1*Fo+60KHz+A2*Fo+120KHz)	45 dB min
(A1*Fo+120KHz+A2*Fo+330KHz)	48 dB min
Flyback (± 25 MHz)	7.5 dB min
Group Delay (Fo ± 12 KHz)	20 us max
Intermodulation (-20dBm input signal)	
(± 60 KHz & ± 120 KHz)	70dB min
(± 330 KHz & ± 660 KHz)	70dB min
Terminating Impedance	2000 Ω // -0.6pF
Operating Temperature	-40°C ~ +85°C

Filter Response:



Mechanical Dimensions (mm):

