



The ECS-96SMF 21.400 MHz Miniature SMD Monolithic Crystal Filter offers a narrow bandwidth and a 2 pole response in a 5 x 7 package.

[Request a Sample](#)



- 5 x 7 Footprint
- 2 Pole Filter
- Tape and Reel Packaging

## OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

Part Number *	Center Frequency Fo		Passband Min.		Stopband Max.		Attenuation Guaranteed Min.		Ripple Max.	Loss Max.	Terminating Impedance	Operating Temperature	No. of Poles
	MHz	dB	KHz	dB	KHz	dB	KHz	dB	dB	$\Omega/\mu\text{F}$	$^{\circ}\text{C}$		
ECS-96SMF21A7.5	21.400	3	$\pm 3.75$	20	$\pm 18.0$	70	-910	1.0	2.0	850//6.0	-30 ~ +80	2	
ECS-96SMF21A15	21.400	3	$\pm 7.5$	18	$\pm 25.0$	70	-910	1.0	2.0	1500//1.5	-30 ~ +80	2	
ECS-96SMF21A20	21.400	3	$\pm 10.0$	10	$\pm 30.0$	70	-910	1.0	2.0	1800//1.0	-30 ~ +80	2	
ECS-96SMF21A30	21.400	3	$\pm 15.0$	15	$\pm 45.0$	70	-910	1.0	2.0	2000//0.5	-30 ~ +80	2	

## Package Dimensions (mm)

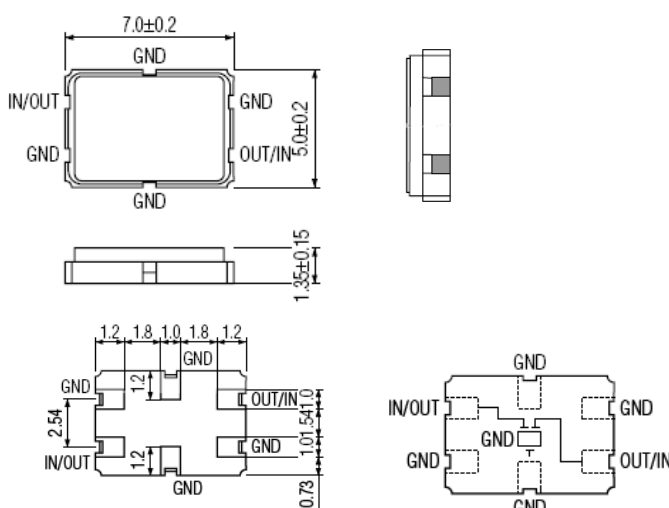


Figure 1) Top, Side and Bottom views

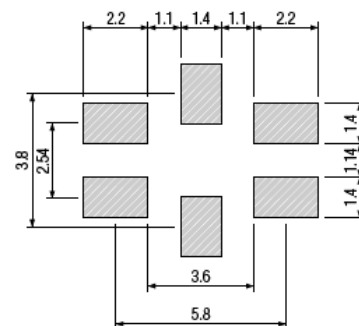


Figure 2) Land Pattern

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