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

ECS-96SMF Series

SMD CRYSTAL FILTER

ECS delivers pure filtering versatility with the ECS-96SMF Series monolithic crystal filter. This low profile SMD filter addresses a broad range of applications including wide/narrow band filters for mobile, UHF and wireless applications.

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	Ω//pF	°C	
ECS-96SMF21A15	21.400	3	± 7.5	10	± 25.0	65	-910	1.0	2.5	1500//2.5	-30 ~ +85	2
ECS-96SMF29A20	29.250	3	± 10	10	± 25.0	70	-910	1.0	1.5	1800//1.5	-30 ~ +85	2
ECS-96SMF45A30	45.000	3	± 15	15	± 60.0	70	-910	1.0	3.0	1200//1.8	-30 ~ +85	2
ECS-96SMF109A24 *	109.650	3	± 12	18	± 60.0	65	-910	1.0	3.0	1500//-1.2	-30 ~ +80	2

* 3rd Overtone

PACKAGE DIMENSIONS (mm)

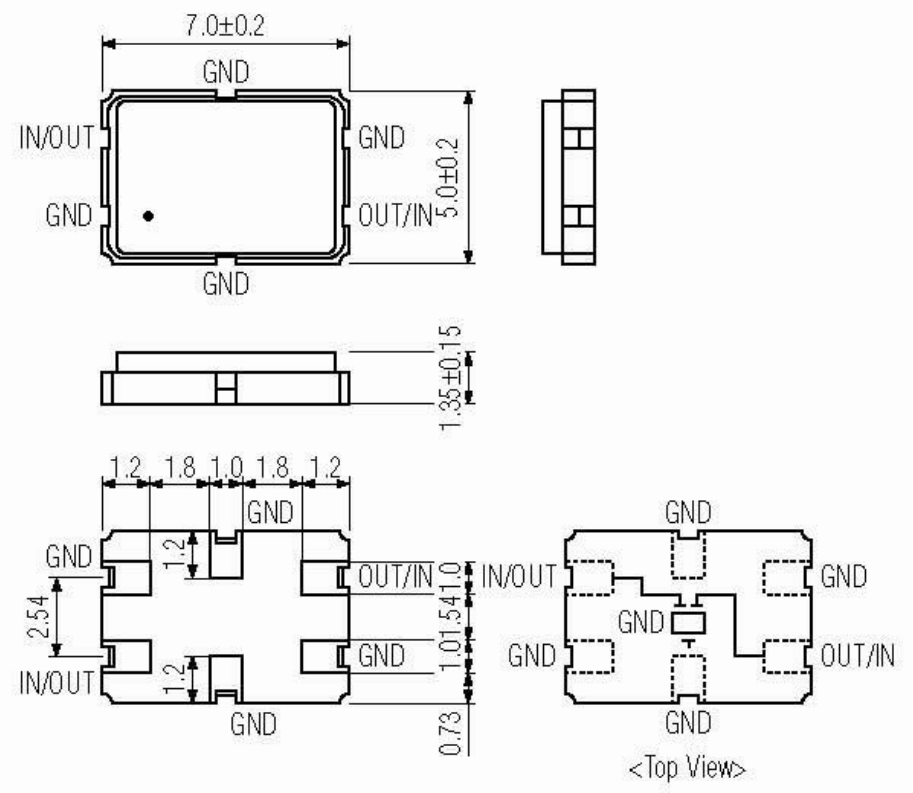

Figure 1) Top, Side and Bottom Views

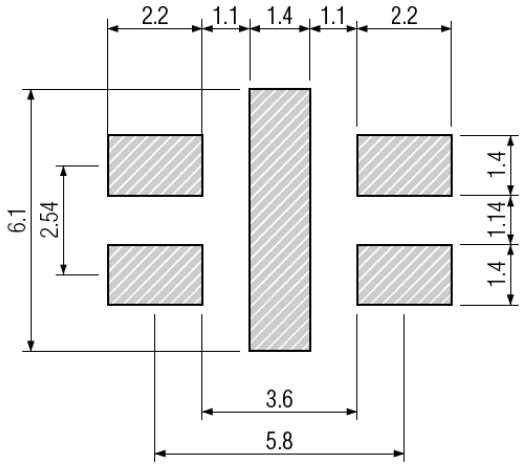

Figure 2) Land Pattern

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