

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



# ECS-96SMF 45.0 MHz

## SMD CRYSTAL FILTER

The ECS-96SMF 45.000 MHz Miniature SMD Monolithic Crystal Filters offer a narrow bandwidth and a 2 pole response in a 5 x 7 package.

### 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	$\Omega$ /pF	$^{\circ}$ C	
ECS-96SMF45A7.5	45.000	3	$\pm 3.75$	20	$\pm 25.0$	70	-910	1.0	2.0	650//3.5	-30 ~ +80	2
ECS-96SMF45A12	45.000	3	$\pm 6$	15	$\pm 20.0$	70	-910	1.0	2.0	650//5.0	-30 ~ +80	2
ECS-96SMF45A15	45.000	3	$\pm 7.5$	15	$\pm 25.0$	70	-910	1.0	2.0	560//6.0	-30 ~ +80	2
ECS-96SMF45A30	45.000	3	$\pm 15$	15	$\pm 60.0$	70	-910	1.0	2.0	1200//1.8	-30 ~ +80	2

### PACKAGE DIMENSIONS (mm)

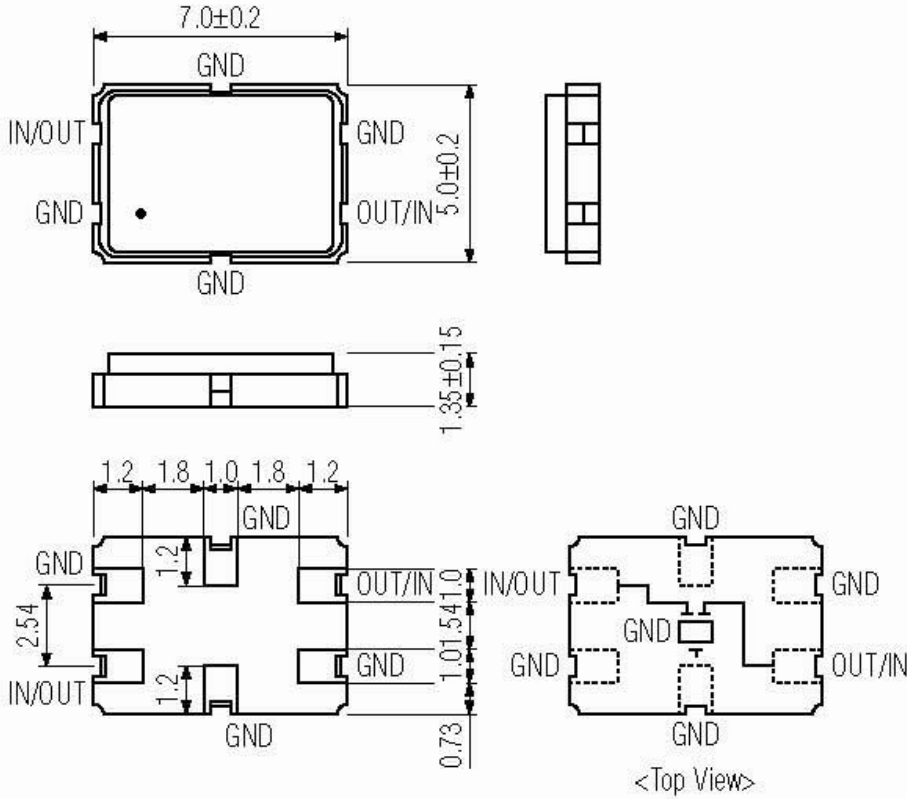


Figure 1) Top, Side and Bottom Views

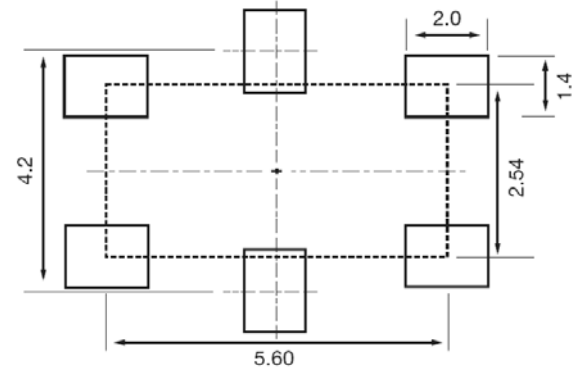


Figure 2) Land Pattern