

# ECS-38SMF Series

## SMD Crystal Filter

The ECS-38SMF Miniature SMD Monolithic Crystal Filter offers a narrow bandwidth with a 2 pole response in a 3.8 x 3.8 package.

[Request a Sample](#)

### ECS-38SMF Series



- 3.8 x 3.8 Footprint
- RoHS Compliant
- Tape & Reel Packaging

## OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

Part Number *	Center Frequency $F_o$	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	°C	
ECS-38SMF45A15	45.000	3	$\pm 7.5$	13	$\pm 25.0$	60	-900	0.5	2.0	560//6.0	-30 ~ +80	2
ECS-38SMF45A30	45.000	3	$\pm 15.0$	15	$\pm 60$	60	-900	1.0	2.5	1100//1.0	-30 ~ +80	2

## Package Dimensions (mm)

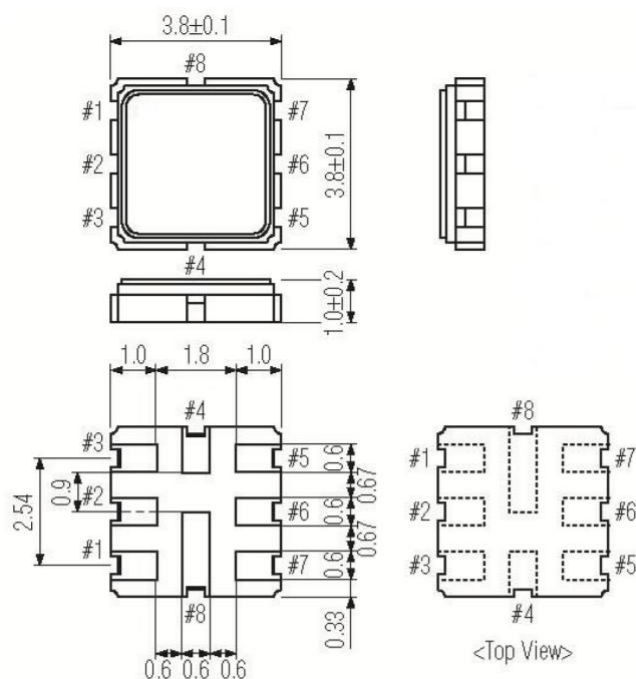


Figure 1) Front and Side views

### Pin Connections

#1	* In/Out
#2	Ground
#3	Ground
#4	Ground
#5	* Out/In
#6	Ground
#7	Ground
#8	Ground

\* Filter is symmetrical