

# SMD Monolithic Crystal Filters

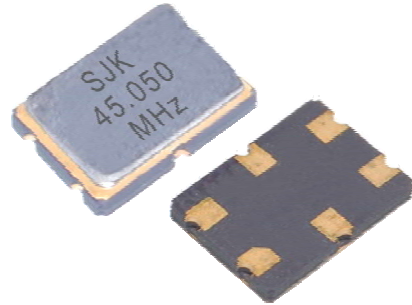


Size: 7.0×5.0×1.3 mm

CF Series 2Pole 7050 SMD MCF

## Features

- 7.0×5.0×1.3mm, light weight and miniature SMD crystal filter.
- 2 pole function in a single package.
- Excellent guaranteed attenuation.
- Excellent shock and vibration resistance.
- Automatic mounting, solder reflow capable.
- Applications in mobile, wireless communications, cellular, cordless phones, radio communications.
- RoHS Compliant / Pb-Free.

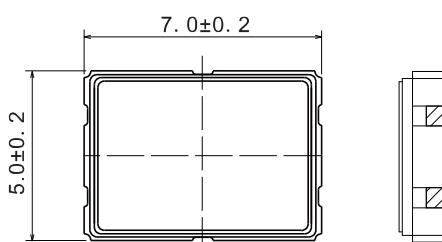


## Electrical Specifications

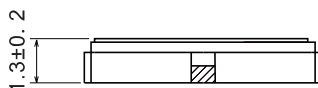
Item /Type	CF (7050 SMD Crystal Filters)			
Norminal Frequency	21.400MHz	21.7000MHz	45.000MHz	45.000MHz
Pole	2 Pole	2 Pole	2 Pole	2 Pole
Overtone Order	Fundamental	Fundamental	Fundamental	Fundamental
Pass Bandwidth	±7.5kHz min./3dB	±7.5kHz min./3dB	±15kHz min./3dB	±15kHz min./3dB
Stop Bandwidth	±25kHz min./18dB	±28kHz min./18dB	±60kHz min./15dB	±60kHz min./15dB
Ripple	0.5dB max.	1dB max.	1dB max.	1dB max.
Insertion Loss	1.5dB max.	2dB max.	2.0dB max.	2dB max.
Guaranteed Attenuation	70dB min.	70dB min.	70dB min.	70dB min.
Operating Temperature Range	-20~+70°C			
Size (L×W×H)	7.0×5.0×1.3 mm			
Packing Unit	1000 pcs. / Reel			

## Dimensions

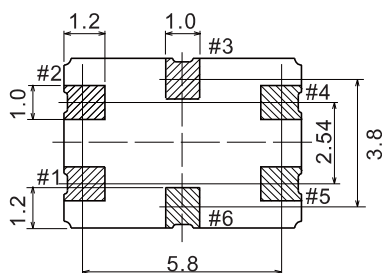
Units:mm



Top View



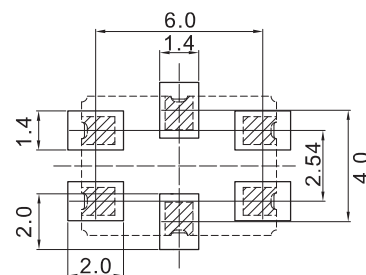
Side View



Bottom View

Pin No.	Connection
#1	INPUT
#2	GND
#3	GND
#4	OUTPUT
#5	GND
#6	GND

## Recommended Land Pattern Top View



## Measurement Circuit

