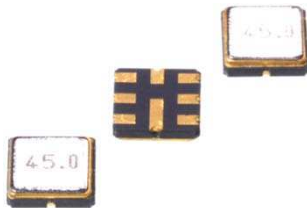


Monolithic Crystal Filters (MCF)

Highs tability
Ceramic Package
Small&Thin

Pb-free : RoHs compliance



MC-3030C2-78M75, MC-3030C2-90M40

Typical applications

- Mobile Telecommnuication, Base Station, GPS, etc.

Features

- 70 to 150 MHz.
- 2 Pole.
- Miniature type essential in the high density PCB.
- Package : Metal lid + Ceramic package.
3.0×3.0×1.1 mm

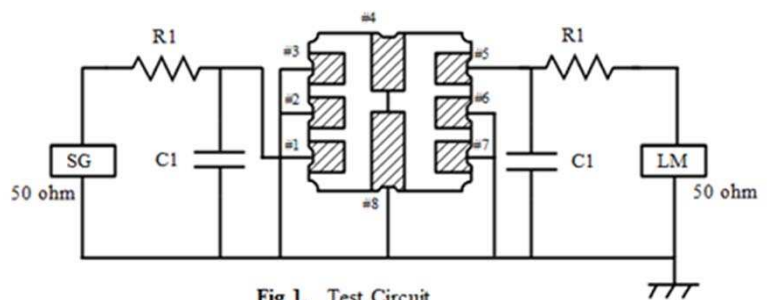
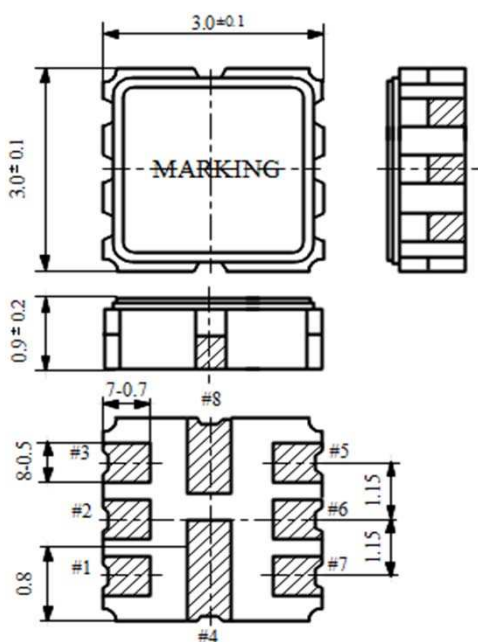
Specifications

Model	MC-3030C2-78M75	MC-3030C2-90M40
Nominal Frequency	78.450 MHz	90.000 MHz
Pole	2 Pole	2 Pole
Pass Band	3 dB : ±7.5KHz min.	3 dB : ± 7.5KHz min.
Attenuation Band	15dB : ±25 KHz max.	8 dB : ±12.5KHz max.
Ripple	1.0dB max.	0.5dB max.
Loss	4.0dB max.	5.0dB max.
Attenuation Band	75dB min. : Fo-900KHz	70dB min. : Fo-900KHz
Spurious	10dB max.	20dB max.
Termina Impedance	400Ω // 4.0pF	200Ω // 8.0pF
Operating Temperture	-20 to +70° C	

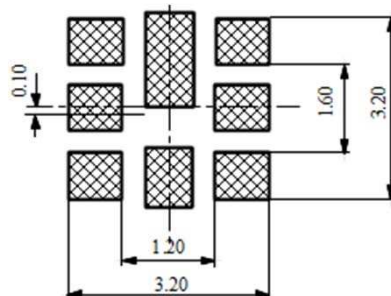
Environmental Characteristics

Description	Specification
Fall Shock	Test : 3 time free drop onto concrete board from 150cm high Result: ±5.0 ppm max.
Vibration Shock	Test : Freq. 5-500Hz, Amplitude 1.5mm, Test time 4cycles/XYZ axis Result: ±5.0 ppm max.
Solderability	Test : Immersed into solder bath at 235±° C for 3 sec. Result: More than 95%
Humidity	Test : 90 to 95%RH at 60±3° C±500 hours Result: ±5.0 ppm max.
Reflow Heat	Test : 2 times of IR reflow soldering in accordance with reflow temerature profil as per the document No.:TR-(Result: ±5.0 ppm max.

Outline Drawing & Suggested Pa



Suggested pad (Top view)



CONNECTION

#1 : INPUT
#2 : GND
#3 : GND
#4 : GND
#5 : OUTPUT
#6 : GND
#7 : OUT
#8 : GND