

Monolithic Crystal Filters (MCF)

Highs tability
Ceramic Package
Small&Thin

Pb-free : RoHs compliance



MC-7050C4-21M475, MC-7050C4-21M775,

■ Typical applications

- Mobile Telecommnuication, Base Station, GPS, etc.

■ Features

- 20 to 150 MHz.
- 4 Pole.
- Package : Metal lid + Ceramic package.
- 7.0×5.0×1.5 mm

■ Specifications

Model	MC-7050C4-21M475	MC-7050C4-21M775
Nominal Frequency	21.400 MHz	21.700 MHz
Pole	4 Pole	4 Pole
Pass Band	3 dB : ±7.5KHz min.	3 dB : ±7.5KHz min.
Attenuation Band	35dB min: ±25 KHz .	35dB min: ±25 KHz .
Ripple	1.0dB max.	1.0dB max.
Loss	2.5dB max.	2.5dB max.
Attenuation Band	70 dB min.:Fo-910KHz	70 dB min.:Fo-910KHz
Spurious	40dB min	40dB min
Termina Impedance	1750Ω // 0.35pF, C2:5.0pF	1750Ω // 0.35pF, C2:5.0pF
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

