

Monolithic Crystal Filters (MCF)

Highs tability
Ceramic Package
Small&Thin

Pb-free : RoHs compliance



MC-7050C3-44M65, MC-7050C3-45M19

Typical applications

- Mobile Telecommnuication, Base Station, GPS, etc.

Features

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

Specifications

Model	MC-7050C2-44M65	MC-7050C2-45M19
Nominal Frequency	44.850 MHz	45.000 MHz
Pole	3 Pole	3 Pole
Pass Band	3 dB : ±6.5KHz min.	3 dB : ±19 KHz min.
Attenuation Band	25dB : ±25 KHz max.	18dB : ±50 KHz max.
Ripple	1.0dB max.	1.0dB max.
Loss	2.0dB max.	3.0dB max.
Attenuation Band	78dB min. : Fo-900KHz	70dB min. : Fo-900KHz
Spurious	10 dB max.	10 dB max.
Termina Impedance	550Ω // 3.0pF	1200Ω // -1.0pF
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

