

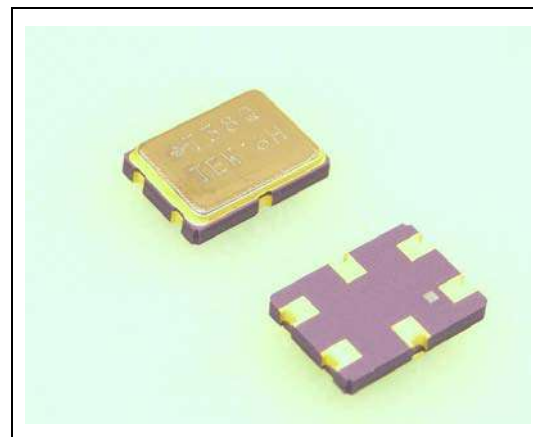
TM7050B

MCF

■Features

- Small and thin SMD 4-pole filter.
- Product height 1.35mm using ceramic package.
- Hermetic sealing by seam welding.
- Nominal Frequency frequency covers a range.
from 30 to 150MHz.
- Lead-free product and reflow solderable.
- RoHS compliant.

■Applications Base Station , mobile radio application.

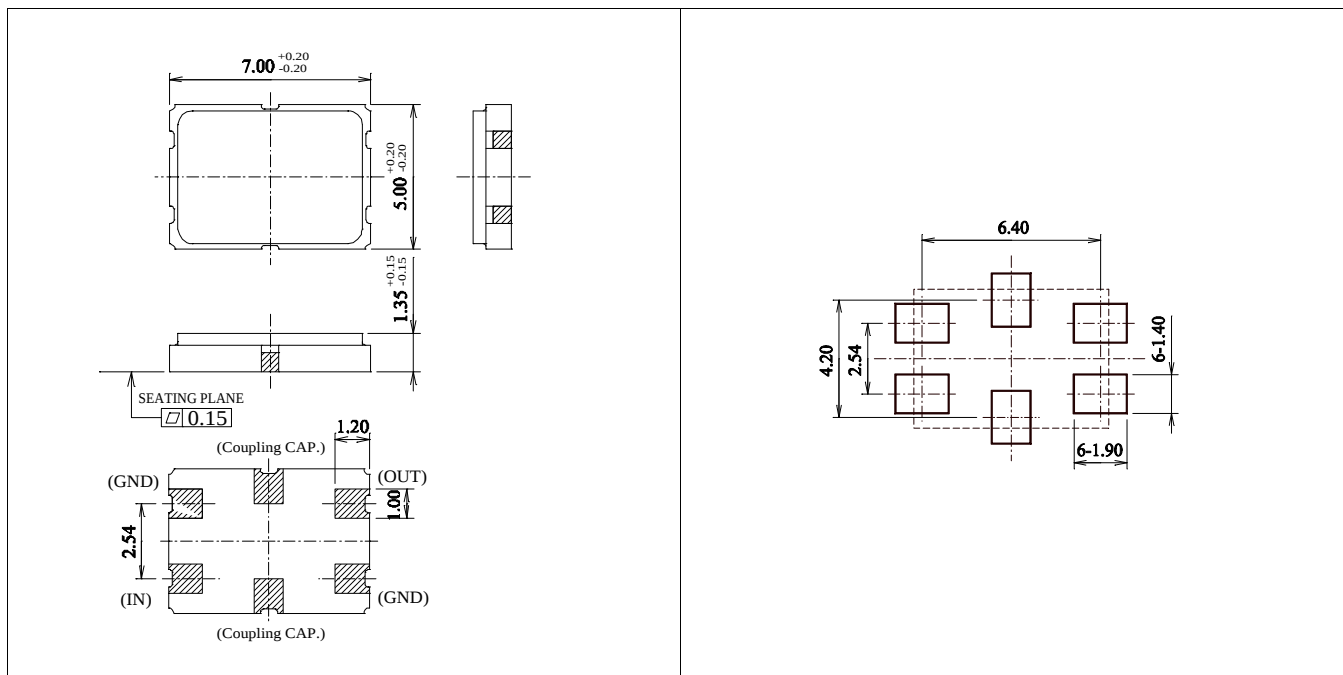


■Standard Specification

Model Name(Number of pole)	MFT38P(4pole)	MFT38Q(4pole)	MFT45R(4pole)
Nominal Frequency	38.850 (MHz)	38.850 (MHz)	45.000 (MHz)
Pass Bandwidth	3.0 (dB): $\pm 5.00\text{kHz}$ min.	3.0 (dB): $\pm 6.00\text{kHz}$ min.	3.0 (dB): $\pm 7.50\text{kHz}$ min.
Attenuation Bandwidth	40.0 (dB): $\pm 20.0\text{kHz}$ max.	35.0 (dB): $\pm 25.0\text{kHz}$ max.	25.0 (dB): $\pm 22.0\text{kHz}$ max.
Pass-band Ripple	1.0 max. (dB)	1.0 max. (dB)	1.0 max. (dB)
Insertion Attenuation	4.0 max. (dB)	4.0 max. (dB)	3.0 max. (dB)
Guaranteed Attenuation	---	70min. (dB) @ $f_0 - 900\text{kHz}$	80min. (dB) @ $f_0 - 900\text{kHz}$
Terminating Impedance	$610(\Omega) // 3.0(\text{pF})$ $C_c=14.0\text{pF}$	$610(\Omega) // 3.0(\text{pF})$ $C_c=13.0\text{pF}$	$800(\Omega) // 1.7(\text{pF})$ $C_c=8.0\text{pF}$

■Outline Dimensions

■Reference Land Pattern



Note : Modified specifications are available upon request for specific applications.

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Specifications subject to change without notice. Apr / 2009