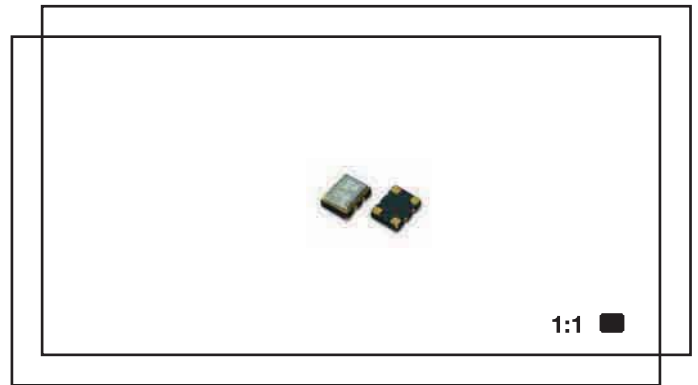


MX low frequency crystal (3.0 ~ 4.5)MHz

- # (3.2 x 2.5)mm ceramic package
- # contour mode
- # wide frequency pulling for VCXO
- # RoHS compliant



Electrical specification (standard)

Case style
Frequency range
Adjustment tolerance
Temperature tolerance
Operating temperature
Storage temperature
Load
Equivalent series resistance
Shunt capacitance C_0
Drive level
Insulation resistance

 MX: height 0.7mm
(3.0 ~ 4.5)MHz, contour mode

 $\pm 30\text{ppm}$ at $+25^\circ\text{C}$

(+10 / -50)ppm

 (-10 +60) $^\circ\text{C}$

 (-40 ~ +85) $^\circ\text{C}$

customer specified

(150 ~ 500)ohm max.

7.0pF max.

 200 μW max.

500Meg. ohm min. at 100Vd.c.

Ordering information

The MX smd crystals may be specified within their available frequency range, together with load capacitance, adjustment tolerance, temperature tolerance and temperature range with each parameter coded as follows....

Example MX crystal, 3.579545MHz, load 8pF, $\pm 50\text{ppm}$ at 25°C , (+10/-50)ppm(-10+60) $^\circ\text{C}$

TFC PART NUMBER MX 3.579545M A G BG I

'MX' crystal series: MX

'3.579545' frequency: 3.579545M = 3.579545MHz

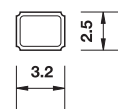
'A' load capacitance: A = 8pF

'G' adjustment tolerance at $+25^\circ\text{C}$: G = $\pm 50\text{ppm}$

'BG' temperature tolerance: BG = (+10/-50)ppm

'I' temperature range: I = (-10 +60) $^\circ\text{C}$

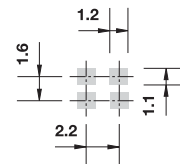
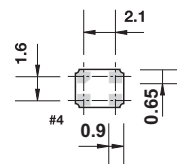
MX dimensions(mm) shown twice full size



Suggested land pattern



Pad size (1.1 x 1.2)mm



Bottom view

 Pads #2 and #4
connected to metal top