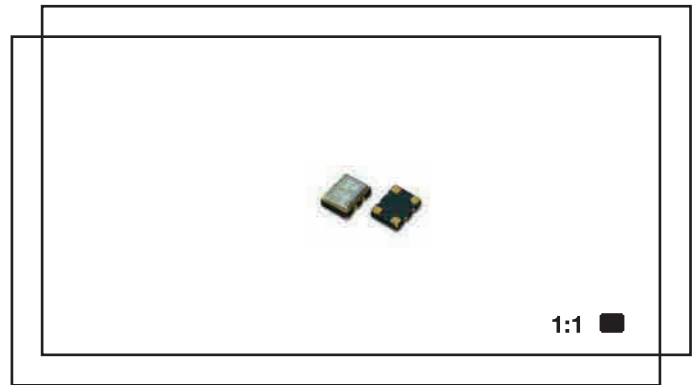


MX low frequency crystal (3.0 ~ 4.5)MHz

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



1:1

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

 ± 30 ppm at +25°C

(+10 / -50)ppm

(-10 +60)°C

(-40 ~ +85)°C

customer specified

(150 ~ 500)ohm max.

7.0pF max.

200µW 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, ± 50 ppm at 25°C, (+10/-50)ppm(-10+60)°C

TFC PART NUMBER MX 3.579545M A G BG I

'MX' crystal series: MX

'3.579545' frequency: 3.579545M = 3.579545MHz

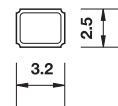
'A' load capacitance: A = 8pF

'G' adjustment tolerance at +25°C: G = ± 50 ppm

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

'I' temperature range: I = (-10 +60)°C

MX dimensions(mm) shown twice full size



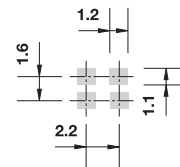
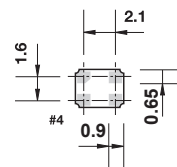
Top view



Suggested land pattern

Crystal pads are palladium gold, 0.5µ, suitable for vapour phase or reflow soldering, preheat to +150°C for 2 minutes, peak temperature 250°C for 30 seconds max.

Pad size (1.1 x 1.2)mm



Bottom view

Pads #2 and #4
connected to metal top