

Crystal Part No.: RFX-21-54.0M50IY

Issue 2; 28th November 2022

Features

- Frequency 54.0MHz fundamental
- Calibration tolerance ± 20 ppm
- Temperature stability ± 30 ppm
- Temperature range (-40 to +85) $^{\circ}$ C
- The flexible nature of the design, means that variations to suit almost any application can be developed to meet individual customer requirements
- Drive level 100uW
- Series Resistance 40 Ω
- Shunt capacitance C_0 3 pF max.
- Load capacitance CL (8 - 50)pF or series
- Ageing : $\pm 3 \times 10^{-6}$ /year

Environmental

- Electrostatic-Sensitive Device (ESD)
- Storage Temperature Range: (-55 to +125) $^{\circ}$ C
- Mechanical shock: MIL standard 202F, method 213 condition J
- Thermal shock: MIL standard 202F, method 107, condition A
- Vibration: MIL standard 202F, method 204, condition B
- Solderability: 5 seconds maximum at 230 $^{\circ}$ C
- 3 seconds maximum at 350 $^{\circ}$ C

Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status - Compliant

Packaging

- Pack Style: tape and reel: 3000 pieces

Ordering Information

- Crystal model: RFX-21 series
- Crystal Part No.: RFX-21-54.0M50IY[xx]

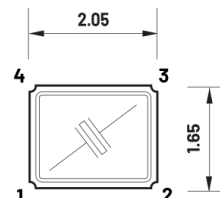
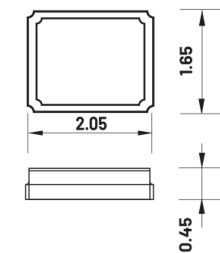
Where [xx] is the required load

e.g. RFX-21-54.0M50IY30 for 30pF

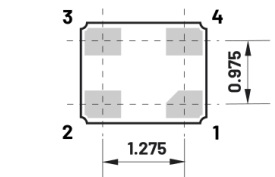
RFX-21-54.0M50IYS for series



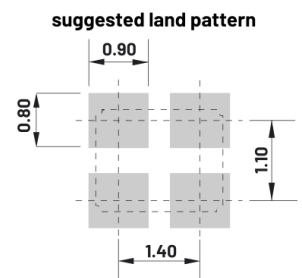
Dimensions (mm)



top view
crystal pads - 1 & 3
metal lid - 2 & 4



pads viewed from bottom
pad size (0.72 x 0.55)mm



Part number examples by load

Load condition	Part number
10pF	RFX-21-54.0M50IY10
20pF	RFX-21-54.0M50IY20
30pF	RFX-21-54.0M50IY30
Series	RFX-21-54.0M50IYS