

Crystal Part No.: RFX-53-32.0M40IL

Issue 1; 6th July 2022

Features

- Frequency 32.0MHz fundamental
- Calibration tolerance ± 10 ppm
- Temperature stability ± 30 ppm
- Temperature range $(-40$ to $+85)^\circ\text{C}$
- 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 50Ω
- Shunt capacitance C_0 7 pF max.
- Load capacitance CL (8 - 50)pF or series [to order]
- Ageing $\pm 3 \times 10^{-6}$ /year

Environmental

- Electrostatic-Sensitive Device (ESD)
- Storage Temperature Range: $(-55$ to $+125)^\circ\text{C}$
- 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°C
- 3 seconds maximum at 350°C

Compliance

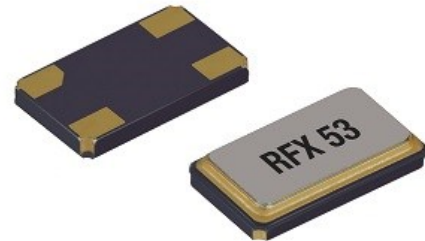
- RoHS Status (2011/65/EU) Compliant
- REACH Status - Compliant

Packaging

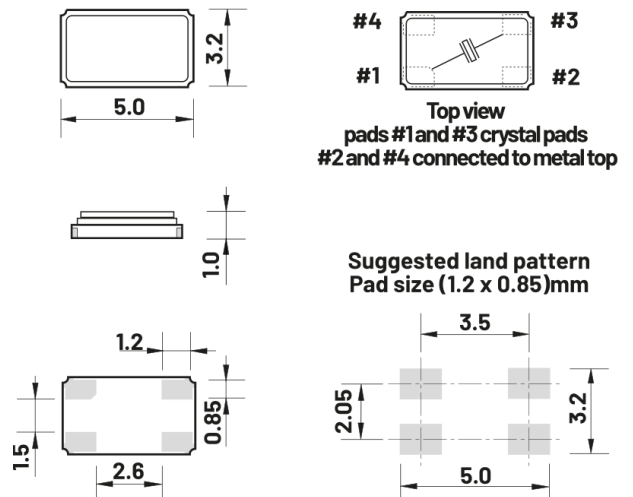
- Pack Style: tape and reel: 1000 pieces, 3K pieces

Ordering Information

- Crystal model: RFX-53 series
- Crystal Part No.: RFX-53-32.0M40IL[xx]
Where [xx] is the required load
e.g. RFX-53-32.0M40IL30 for 30 pF
RFX-53-32.0M40ILS for series



Dimensions (mm)



Part number examples by load

| Load condition | Part number |
|----------------|--------------------|
| 10pF | RFX-53-32.0M40IL10 |
| 20pF | RFX-53-32.0M40IL20 |
| 30pF | RFX-53-32.0M40IL30 |
| Series | RFX-53-32.0M40ILS |