

## Crystal Part No.: RFX-53T-12.0M40IL

Issue 1; 6th July 2022

### Features

- Frequency 12.0MHz fundamental
- Calibration tolerance  $\pm 10$ ppm
- Temperature stability  $\pm 30$ 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  $80\Omega$
- 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  $230^\circ\text{C}$
- 3 seconds maximum at  $350^\circ\text{C}$

### Compliance

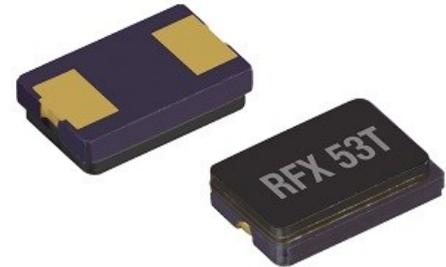
- RoHS Status (2011/65/EU) Compliant
- REACH Status - Compliant

### Packaging

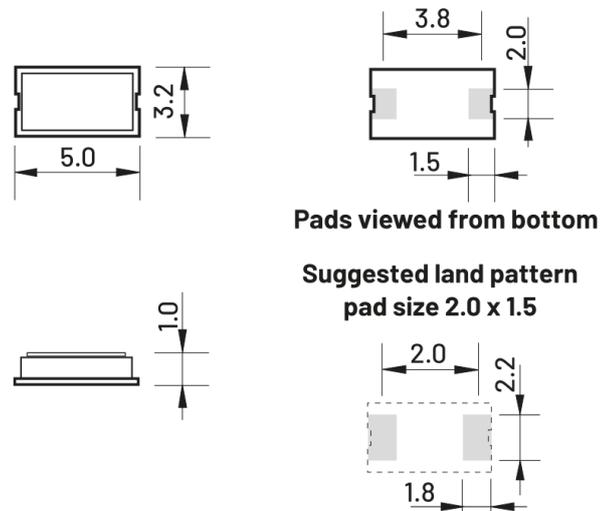
- Pack Style: tape and reel: 1000 pieces, 3K pieces

### Ordering Information

- Crystal model: RFX-53T series
- Crystal Part No.: RFX-53T-12.0M40IL[xx]  
Where [xx] is the required load  
e.g. RFX-53T-12.0M40IL30 for 30 pF  
RFX-53T-12.0M40ILS for series



### Dimensions (mm)



### Part number examples by load

Load condition	Part number
10pF	RFX-53T-12.0M40IL10
20pF	RFX-53T-12.0M40IL20
30pF	RFX-53T-12.0M40IL30
Series	RFX-53T-12.0M40ILS