

## Crystal Part No.: RFX-63-12.0M50IY

Issue 1; 6th July 2022

### Features

- Frequency 12.0MHz fundamental
- Calibration tolerance  $\pm 20$ 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  $40\Omega$
- Shunt capacitance  $C_0$  7 pF max.
- Load capacitance CL (9.5 - 100)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

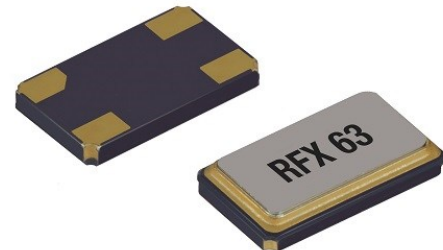
- RoHS Status (2011/65/EU) Compliant
- REACH Status - Compliant

### Packaging

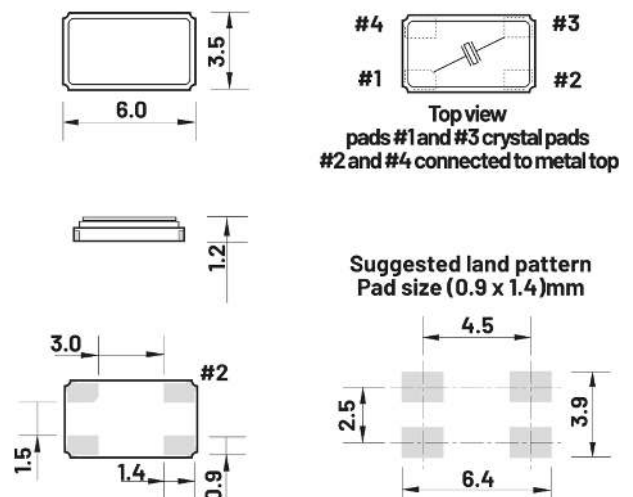
- Pack Style: tape and reel: 1000 pieces

### Ordering Information

- Crystal model: RFX-63 series
- Crystal Part No.: RFX-63-12.0M50IY[xx]  
Where [xx] is the required load  
e.g. RFX-63-12.0M50IY30 for 30 pF  
RFX-63-12.0M50IYS for series



### Dimensions (mm)



### Part number examples by load

load condition	part number
10pF	RFX-63-12.0M50IY10
20pF	RFX-63-12.0M50IY20
30pF	RFX-63-12.0M50IY30
Series	RFX-63-12.0M50IY1S