



# Crystal Part No.: RFX-63-27.0M50IY

## Issue 1; 6th July 2022

#### Features

- Frequency 27.0MHz 3<sup>rd</sup> overtone
- Calibration tolerance ±20ppm
- Temperature stability ±30ppm
- Temperature range (-40 to +85)<sup>o</sup>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 30Ω
- Shunt capacitance C<sub>0</sub>7 pF max.
- Load capacitance CL (9.5 100)pF or series [to order]
- Ageing ±3 x 10<sup>-6</sup> /year

#### Environmental

- Electrostatic-Sensitive Device (ESD)
- Storage Temperature Range: (-55 to +125)°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

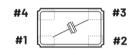
## **Ordering Information**

- Crystal model: RFX-63-series
- Crystal Part No.: RFX-63-27.0M50IY[xx] Where [xx] is the required load e.g. RFX-63-27.0M50IY30 for 30 pF
  - RFX-63-27.0M50IYS for series

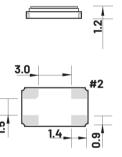


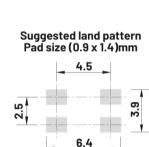
## Dimensions (mm)





Top view pads #1 and #3 crystal pads #2 and #4 connected to metal top





## Part number examples by load

load condition	part number
10pF	RFX-63-27.0M50IY10
20pF	RFX-63-27.0M50IY120
30pF	RFX-63-27.0M50IY30
Series	RFX-63-27.0M50IYS