

Crystal Part No.: RFX-63-27.0M50IY

Issue 1; 6th July 2022

Features

- Frequency 27.0MHz 3rd overtone
- 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 30 Ω
- Shunt capacitance C₀ 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) $^{\circ}$ 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

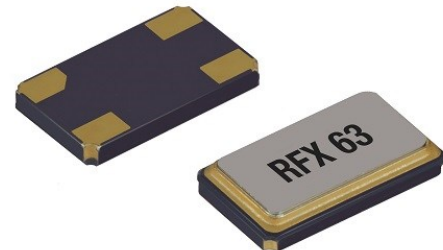
- RoHS Status (2011/65/EU) Compliant
- REACH Status - Compliant

Packaging

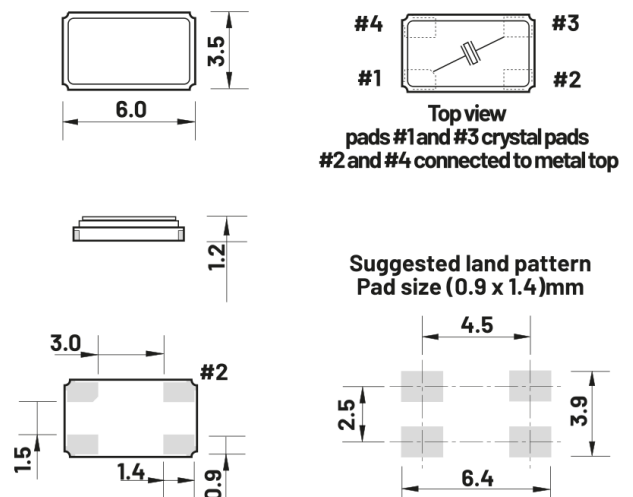
- Pack Style: tape and reel: 1000 pieces

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)



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