

Crystal Part No.: RFX-32-27.0M50IY

Issue 2; 28th November 2022

Features

- Frequency 27.0MHz fundamental
- 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 C_0 3 pF max.
- Load capacitance CL (8 - 50)pF or series
- 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: 3000 pieces

Ordering Information

- Crystal model: RFX-32 series
- Crystal Part No.: RFX-32-27.0M50IY[xx]

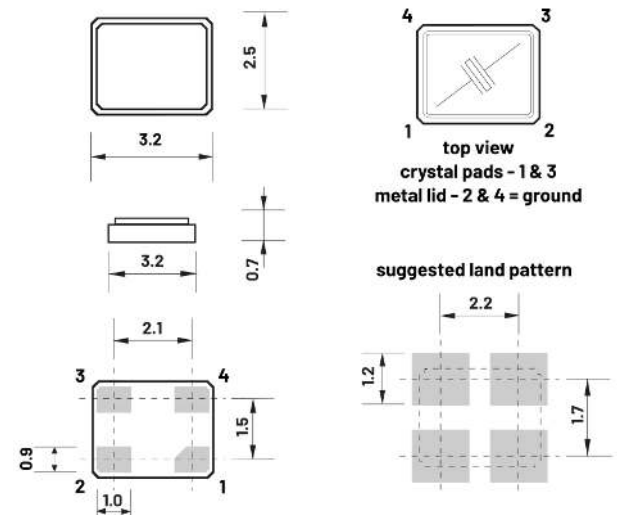
Where [xx] is the required load

e.g. RFX-32-27.0M50IY30 for 30pF

RFX-32-27.0M50IYS for series



Dimensions (mm)



Part number examples by load

| Load condition | Part number |
|----------------|--------------------|
| 10pF | RFX-32-27.0M50IY10 |
| 20pF | RFX-32-27.0M50IY20 |
| 30pF | RFX-32-27.0M50IY30 |
| Series | RFX-32-27.0M50IYS |