

## Crystal Part No.: RFX-22-20.0M50IY

Issue 2; 28th November 2022

### Features

- Frequency 20.0MHz fundamental
- Calibration tolerance  $\pm 20$ ppm
- Temperature stability  $\pm 30$ 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 60 $\Omega$
- 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

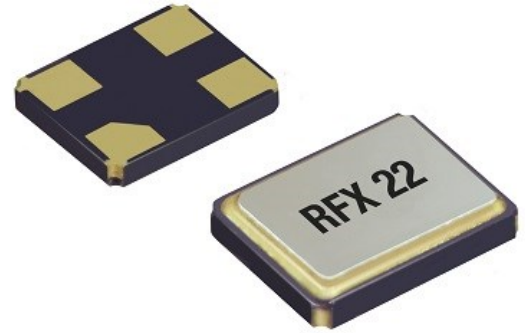
- RoHS Status (2011/65/EU) Compliant
- REACH Status - Compliant

### Packaging

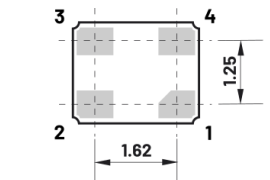
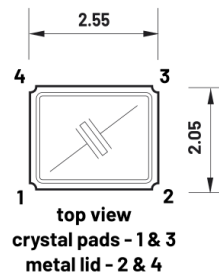
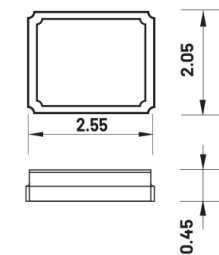
- Pack Style: tape and reel: 3000 pieces

### Ordering Information

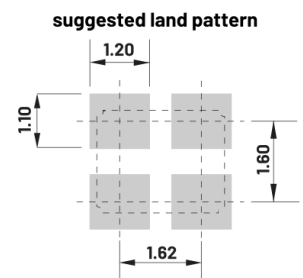
- Crystal model: RFX-22 series
- Crystal Part No.: RFX-22-20.0M50IY[xx]  
Where [xx] is the required load  
e.g. RFX-22-20.0M50IY30 for 30pF  
RFX-22-20.0M50IYS for series



### Dimensions (mm)



pads viewed from bottom  
pad size (0.72 x 0.55)mm



suggested land pattern

### Part number examples by load

Load condition	Part number
10pF	RFX-22-20.0M50IY10
20pF	RFX-22-20.0M50IY20
30pF	RFX-22-20.0M50IY30
Series	RFX-22-20.0M50IYS