



# Crystal Model: RFX-53 series

## Issue 1; 19th July 2022

#### Features

- Standard frequency range (7.3728 to 48) MHz fundamental
- Overtone frequency range (25 to 50) MHz 3rd Overtone
- Temperature stability from ±10ppm
- Temperature range from (-40 to +85)°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 (0.01 0.1)mW
- Series Resistance  $40\Omega$  fundamental,  $40\Omega$  overtone
- Shunt capacitance C<sub>0</sub>7 pF max.
- Load capacitance CL (8 50)pF or series
- Ageing  $(\pm 3 \pm 5) \times 10^{-6}$  /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

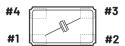
#### **Ordering Information**

- Unique customer part number and custom specification issued with each application
- Crystal model: RFX-53 series



# Dimensions (mm)



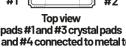


pads #1 and #3 crystal pads #2 and #4 connected to metal top

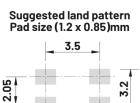


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### **ESR-Equivalent Series Resistance**

Frequency range (MHz)	Cut/Mode	ESR (Ω)
Fundamental	AT1	<40
Overtone	AT1	<40