





Description

 IQXT-205-3-18 is a 2.0 x 1.6mm SMD Temperature Compensated Crystal Oscillator (TCXO) in a hermetically sealed package with a wide operating temperature range.

Model IQXT-205-3-18

Model Issue number1

 Developed frequencies: 16.368, 16.369, 19.2, 26.0, 33.6, 38.4 and 52.0MHz

Frequency Parameters

■ Frequency
■ Frequency Tolerance Max
■ Tolerance Condition
■ Frequency Stability
±1.50ppm
⊕ 25°C ±2°C
±0.50ppm

Operating Temperature Range -40.00 to 105.00°C

Ageing ±1ppm max per year @ 25°C

±2°C

 Frequency Tolerance: Referred to nominal frequency before reflow soldering.

 IR Reflow Resistance (@ 25°C ±2°C ref to frequency before reflow): ±1ppm max, 24hrs after reflow

■ Supply Voltage Variation (@ ±5% change): ±0.1ppm max

■ Load Variation (@ ±10% change): ±0.1ppm max

Electrical Parameters

Supply Voltage 1.8V ±5%Current Draw Max 1.700mA

Absolute Maximum Ratings: Supply Voltage: -0.6V to 4.6V

Output Details

Output Compatibility Clipped Sine
Drive Capability 10kΩ//10pF

Output: DC coupled

Output Level: 0.8V pk-pk min

Start Up Time (90% of V pk-pk): 2ms max

Start Up Time (within ±0.5ppm): 2ms max

Noise Parameters

Phase Noise (typ): -135dBc/Hz @ 1kHz

Environmental Parameters

■ Storage Temperature Range: -40 to 105°C

Manufacturing Details

RoHS Terminations NiAu

■ RoHS Reflow Temp +250°C ±10°C for 10 sec max

Compliance

RoHS Status (2011/65/EU)
REACh Status
MSL Rating (JDEC-STD-033):
Not Applicable

Packaging Details

Pack Style: Cutt Cut tape

Pack Size: 100

Alternative packing option available

Sales Office Contact Details:

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Outline (mm)

