


Description

- Temperature Compensated Voltage Controlled Crystal Oscillator in a surface mount package (TCVCXO)
- Model IQXT-292-6
- Model Issue number 1

Frequency Parameters

- Frequency 100.0MHz
- Frequency Tolerance $\pm 1.00\text{ppm}$
- Tolerance Condition @ 25°C & $V_c = 1.65\text{V}$
- Frequency Stability $\pm 0.80\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 2.5\text{ppm}$ max over 20 years @ 25°C
- Supply Voltage Variation (@ $V_s \pm 5\%$): $\pm 0.2\text{ppm}$ max
- Load Variation (@ 15pF $\pm 10\%$): $\pm 0.1\text{ppm}$ max

Electrical Parameters

- Supply Voltage $3.3\text{V} \pm 5\%$
- Current Draw 30.000mA

Frequency Adjustment

- Pulling $\pm 5\text{ppm}$ to $\pm 20\text{ppm}$
- Control Voltage $1.65\text{V} \pm 1.35\text{V}$

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Rise and Fall Time 3.0ns max
- Duty Cycle 40/60%

Noise Parameters

- Sub-harmonics: -70dBc max

Environmental Parameters

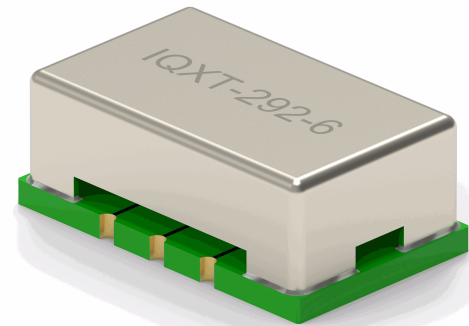
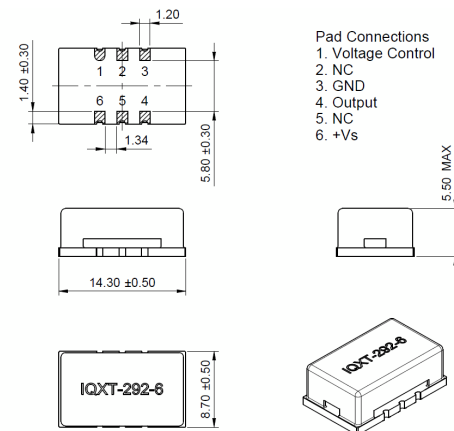
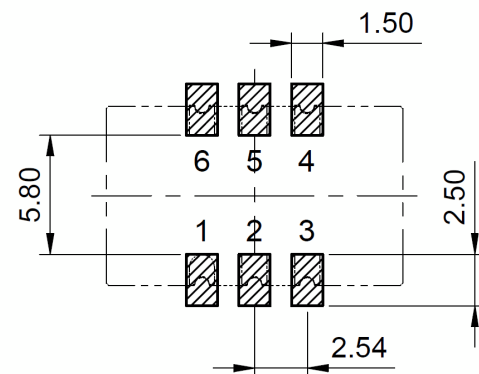
- Storage Temperature Range: -55 to 105°C

Compliance

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): 1

Packaging Details

- Pack Style: Bulk Bulk pack
Pack Size: 1
- Alternative packing option available


Outline (mm)

Recommended Solder Pad Drawing

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