

Part Number 603356

9×14 mm SMD, 5.0V, SineWave

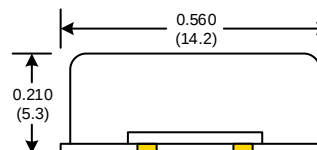
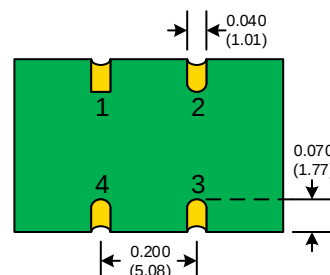
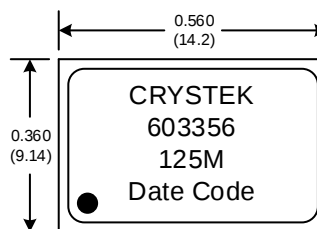
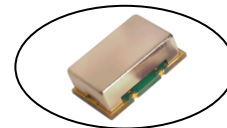
Frequency: 125.000 MHz
Frequency Pulling: ±20ppm APR Min
Temperature Range: -40°C to 85°C
Storage: -45°C to 90°C
Input Voltage: 5.0V ±0.5V
Control Voltage: 2.5V ±2.5V
Settability at Nominal: 2.5V ±0.5V
Input Current: 30mA Max

Output: True SineWave
 Linearity: ±10% Max
 Output Power: +5 dBm Min, +7 dBm Typical
 Start-up Time: 2ms Typical, 5ms Max
 Load: 50 Ω

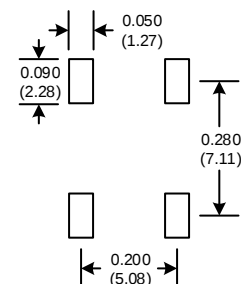
2nd Harmonic: -25 dBc Max
Sub-Harmonics: None
Modulation BW: >10kHz @ -3dB

Phase Noise:
 100Hz: -115 dBc/Hz Max
 1kHz: -145 dBc/Hz Max
 10kHz and above: -160 dBc/Hz Max

Aging: <3ppm 1st year, <1ppm every year thereafter



SUGGESTED PAD LAYOUT



Mechanical:

Shock: MIL-STD-883, Method 2002, Condition B
Solderability: MIL-STD-883, Method 2003
Vibration: MIL-STD-883, Method 2007, Condition A
Solvent Resistance: MIL-STD-202, Method 215
Resistance to Soldering Heat: MIL-STD-202, Method 210, Condition I or J

Environmental:

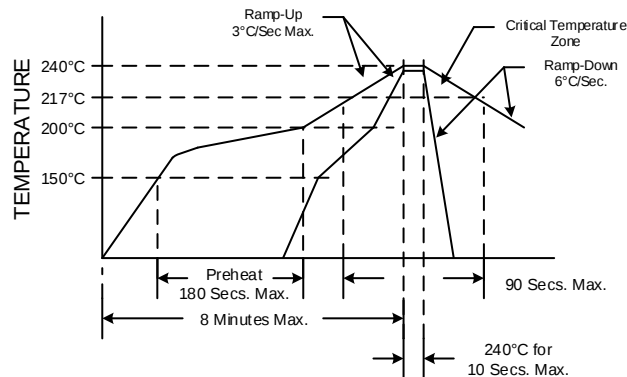
Thermal Shock: MIL-STD-883, Method 1011, Condition A
Moisture Resistance: MIL-STD-883, Method 1004

Packaging:

Tape/Reel: 100ea, 250ea, 500ea 24mm Tape

Pad	Connection
1	Volt Cont
2	GND
3	OUT
4	Vdd

RECOMMENDED REFLOW SOLDERING PROFILE



PN: 603356 Rev. C