

FEATURES

- Sine Wave output in miniature SMD 5 x 3.2mm package
- High purity and low total harmonic distortion
- Ideal for audio modulation applications
- Supply Voltage 2.8V, 3.3V or 5.0V

DESCRIPTION

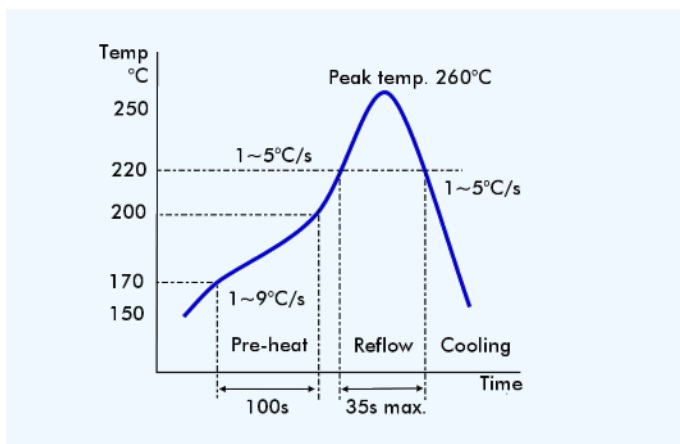
HSR53 sine wave clock oscillators provide a true sine wave output. Packaged in the miniature and industry-standard, 5 x 3.2mm SMD package, the oscillator is capable of being produced with close tolerances.

SPECIFICATION

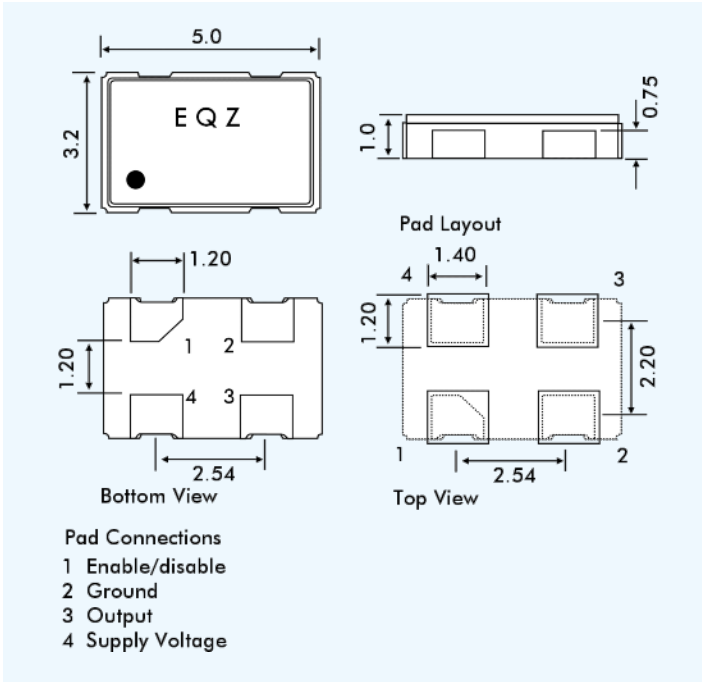
Frequency Range:	10.0MHz to 30.0MHz
Input Voltage:	+2.8V±5%, +3.3V±5% or +5.0VDC ±10%
Output Wave Form:	True sine wave
Load:	10kΩ/10pF
Frequency Stability	
0°~70°C:	±25ppm, ±50ppm or ±100ppm*
-40° ~+85°C:	±25ppm, ±50ppm or ±100ppm*
Output Level:	1.0V p-p typical
Harmonics:	<-25dBc (dependent upon frequency)
Current Consumption	
At 2.8V:	1.0mA
At 3.3V:	1.5mA
At 5.0V:	1.2mA
Start-up Time:	2ms typical
Storage Temperature:	-55° to +125°C
Sub-Harmonics:	None
Ageing:	±5ppm/year maximum
Environmental:	RoHS Compliant standard. (Non-compliant versions are available.)

* Non-standard frequency stability is available, check with sales.

SOLDER TEMPERATURE PROFILE



OUTLINE & DIMENSIONS



PART NUMBERING

