

### FEATURES

- Sine Wave output in standard 11.4 x 9.6 x 2.5mm package
- High purity and low total harmonic distortion
- Ideal for audio modulation applications
- Supply Voltage 2.8V, 3.3V or 5.0V

### DESCRIPTION

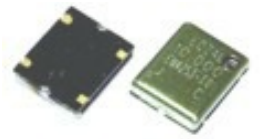
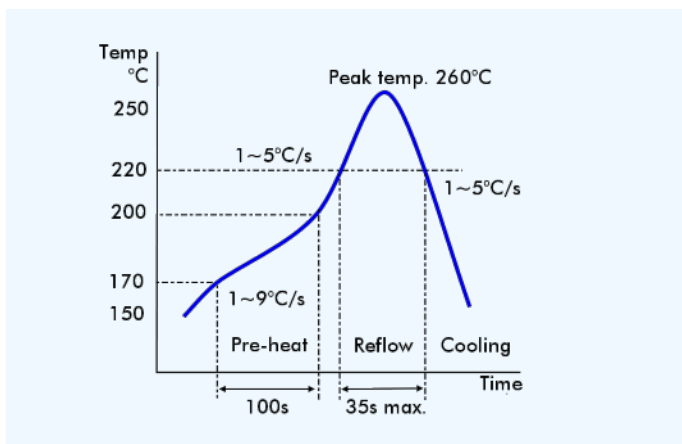
HSR42 sine wave clock oscillators provide a true sine wave output. Packaged in the standard, 11.4 x 9.6 x 3.0mm SMD package, the oscillator is capable of being produced with close tolerances.

### SPECIFICATION

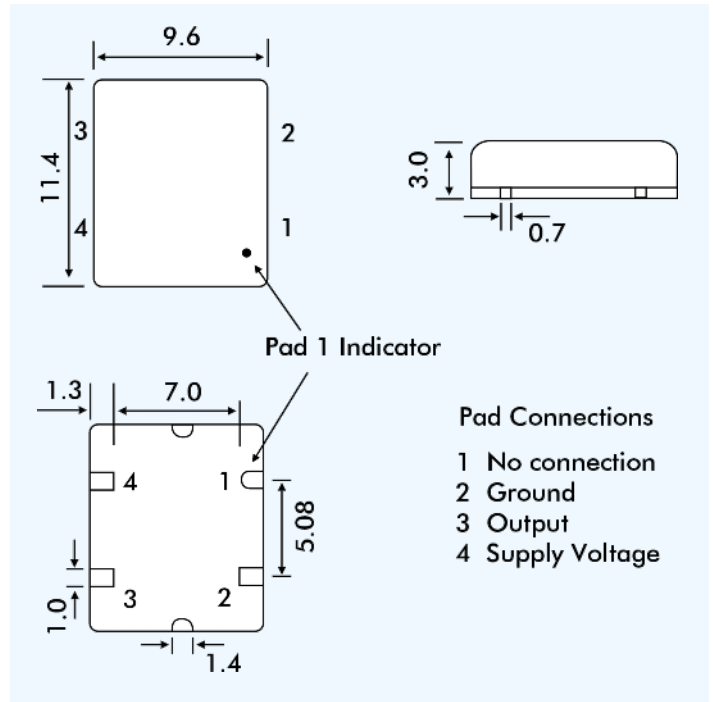
Frequency Range:	10.0MHz to 30.0MHz
Input Voltage:	+2.8V±5%, +3.3V±5% or +5.0VDC ±10%
Output Wave Form:	True sine wave
Load:	10kΩ//10pF
Frequency Stability	
0°~70°C:	±25ppm, ±50ppm or ±100ppm*
-40° ~+85°C:	±25ppm, ±50ppm or ±100ppm*
Output Level:	1.0V p-p typical
Harmonics:	<-25dBc (dependent upon frequency)
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

