

FEATURES

- Sine Wave output in industry-standard 14 DIL package
- High purity and low total harmonic distortion
- Ideal for audio modulation applications
- Supply Voltage 3.3V or 5.0V



DESCRIPTION

HS14 sine wave clock oscillators provide a true sine wave output. Packaged in the industry-standard, 14 pin DIL outline package, the oscillator is capable of being produced with close tolerances and exhibits low current consumption.

SPECIFICATION

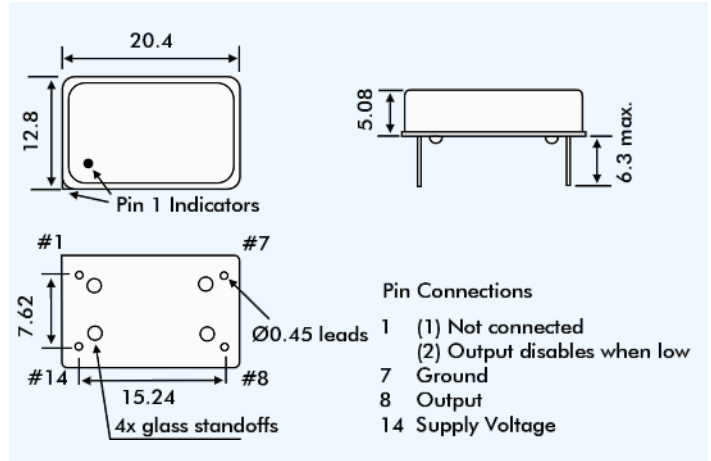
Frequency Range	HS14 at 3.3 Volts: 10.0MHz to 800.0MHz
	HS14 at 5.0 Volts: 10MHz to 156.0 MHz
Load:	50Ω (internally AC coupled)
Input Voltage:	+3.3V±5% or +5.0VDC ±10%
Output Wave Form:	True sine wave
Frequency Stability	
0°~70°C:	±25ppm, ±50ppm or ±100ppm*
-40° ~+85°C:	±25ppm, ±50ppm or ±100ppm*
Output Level	
At +3.3V:	+3dBm standard into 50Ω. Max. power +7dBm (<i>User to specify</i>)
At +5.0V:	+5dBm standard into 50Ω. Max. power +13dBm (<i>User to specify</i>)
Harmonics:	<-30dBc (<i>dependent upon frequency</i>)
Current Consumption:	<i>See table</i>
Start-up Time:	6ms typical
Storage Temperature:	-50° to +100°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.

CURRENT CONSUMPTION

Frequency	Supply Voltage	
	+3.3V	+5.0V
10MHz	9mA	18mA
100MHz	18mA	34mA
150MHz	19mA	36mA

OUTLINE & DIMENSIONS



PART NUMBERING

