EUROQUARTZ

HSR14 Sine Wave Oscillators

14 pin Dual-in-Line — 10.0MHz to 800.0MHz

FEATURES

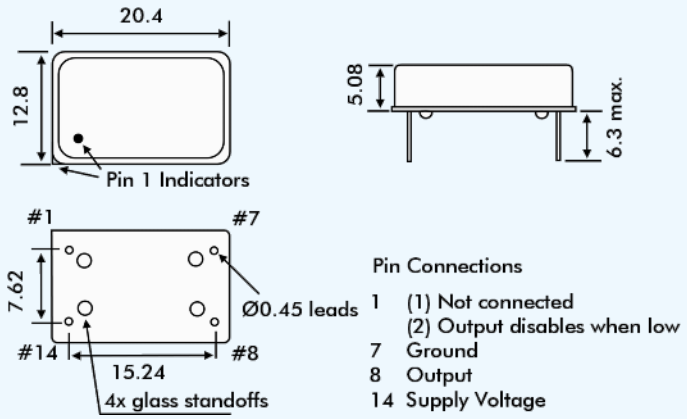
- **Sine Wave output in industry-standard 14 DIL package**
- **High purity and low total harmonic distortion**
- **Ideal for audio modulation applications**
- **Supply Voltage 2.8V, 3.3V or 5.0V**



DESCRIPTION

HSR14 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.

OUTLINE & DIMENSIONS



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.*

PART NUMBERING

Example: 3HSR14G-B-25.000-X

Supply Voltage
- 28 = 2.8 Volts
- 3 = 3.3 Volts
- 5 = 5.0 Volts

Series Designation HSR14

RoHS
- G = Compliant
- Blank = Non-compliant

Stability
- A = ±25ppm 0° to +70°C
- B = ±50ppm 0° to +70°C
- C = ±100ppm 0° to +70°C
- D = ±25ppm -40° to +85°C
- E = ±50ppm -40° to +85°C
- F = ±100ppm -40° to +85°C

Frequency (MHz)

Customer-Specific Code
(*Included if specified by engineering department.*)

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