

## 8 pin Dual-in-line Sine Wave Clock Oscillator

### FEATURES

- Sine Wave output in miniature SMD package
- Output 10k $\Omega$ //10pF load, level 1.0V peak to peak
- Harmonics -25dBc maximum
- Very low current consumption <1.0mA at 2.8V supply

### DESCRIPTION

HSR8 sine wave clock oscillators provide a true sine wave out output while being packaged in the industry-standard, 8 pin DIL outline package. The oscillator is capable of being produced with close tolerances and exhibits low current consumption.

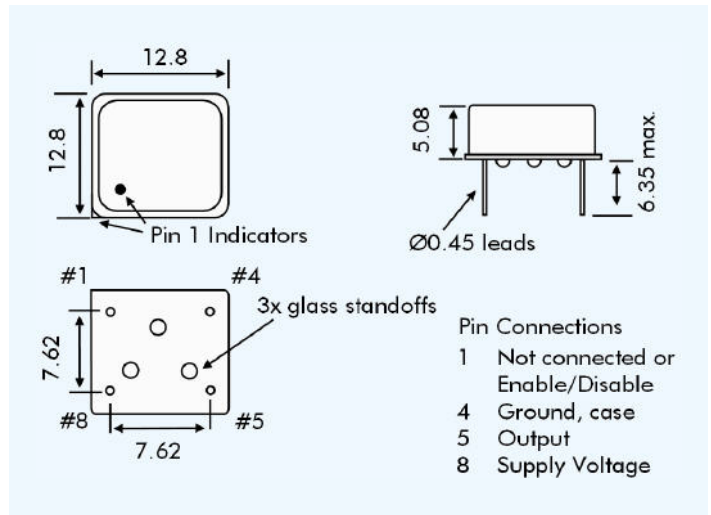
### SPECIFICATION

Frequency Range:	10.0MHz to 30.0MHz
Input Voltage:	+2.8 VDC, +3.3 VDC or +5.0 VDC
Output Wave Form:	True sine wave
Frequency Stability	
Commercial 0~70°C:	$\pm 25$ ppm, $\pm 50$ ppm or $\pm 100$ ppm*
Industrial -40 ~+85°C:	$\pm 25$ ppm, $\pm 50$ ppm or $\pm 100$ ppm*
Output Level:	10k $\Omega$ //10pF load, level 1.0V p-p
Harmonics:	-25dBc maximum
Phase Noise:	-130 dBc/Hz at 1kHz offset
Current Consumption	
Supply 2.8 VDC:	1.0mA
Supply 3.3 VDC:	1.1mA
Supply 5.0 VDC:	1.2mA
Start-up Time:	2.0ms typical
Storage Temperature:	-55° to +125°C
Sub-Harmonics:	None
Ageing:	$\pm 5$ ppm/year
Enable/Disable Option:	Output is high impedance when pad 1 is taken LOW.
Disable time:	150ns maximum (Add 'T' to the part number code for this option.)
RoHS Status:	Fully compliant

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



### OUTLINE & DIMENSIONS



### PART NUMBERING

