

Datasheet

DLS

TRUE SINE WAVE THRU-HOLE CRYSTAL CLOCK OSCILLATOR

FEATURES

20.4 x 12.9 x 5.08 mm

- Thru-Hole DIL14 oscillator
- High purity and low total harmonic distortion.
- Applications : Audio modulation



Item	Specification	
Frequency Range	10.0 MHz ~800.0 MHz	10.0 MHz ~156.0 MHz
Output Logic	True Sine Wave	
Overall Frequency Stability *	± 20 ppm ~ ± 100 ppm (see options)	
Operating Temperature Range	0 ~ +70°C commercial application (see options) -40 ~ +85°C industrial application (see options)	
Supply Voltage Vdd	+3.3V ±5%	+5.0V ±5%
Supply Current Idd	10 MHz : 9mA typ. 100 MHz : 18 mA typ. 150 MHz : 20 mA typ.	10 MHz : 18 mA typ. 100 MHz : 34 mA typ. 150 MHz : 36 mA typ.
Output Level	+ 3 dBm min. Tolerance ± 1 dB Maximum power : +7 dBm (User to specify)	+ 5 dBm min. Tolerance ± 1 dB Maximum power : +13 dBm (User to specify)
Output Load	50 Ohm (Internally AC coupled)	
Harmonics	<-30 dBc (frequency dependent)	
Sub-Harmonics	None	
Tri-state function	Tri-state, Output disable when taken low	
Start-up Time	6 ms typ.	
Packing Unit	100 pcs / box	

Customer specifications on request

(*) Includes initial tolerance @+25°C , stability over operating temperature , stability vs. load change , stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

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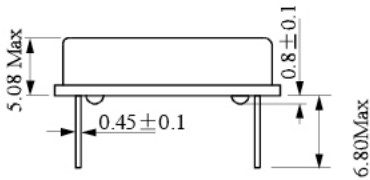
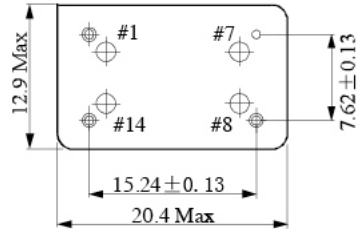
..... MHz
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency in MHz
33 = +3.3V	E = 0° / +70°C	20 = ±20 ppm	E = Tri-state	H1 = 5.08 mm	Please specify the frequency in Mhz
50 = +5.0V	F = -20°C / +70°C	25 = ±25 ppm			
	K = -40°C / +85°C	30 = ±30 ppm			
		50 = ±50 ppm			
		100 = ±100 ppm			

(*) Note : Not all combinations are possible , please consult us.

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OUTLINE DIMENSIONS



Pin Connections

#1 : E/D

#7 : GND

#8 : Output

#14 : Vdd