Datasheet

DLHC THRU-HOLE CRYSTAL CLOCK OSCILLATOR

FEATURES

- Thru-Hole DIL08 oscillator
- Low Phase Noise
- Tight Tolerances
- Applications: Microprocessors, Digital circuit,…

12.7 x 12.7 x 5.08 mm

12.7 x 12.7 x 7.48 mm

Item	Specification		
Frequency Range	1.0 MHz - 200.0 MHz		
Output Logic	CMOS		
Overall Frequency Stability *	± 15 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	45 mA max		60 mA max
Output Level	VOH ≥ 0.9 Vdd	VOL ≤ 0.1 Vdd	
Output Load	15 pF		
Symmetry	45 / 55 %		
Rise Time / Fall Time Fr/Ff	5 ns max		
Tri-state function	pin #1 = high or open pin #1 = low		pin #3 ==> oscillation pin #3 ==> high impedance
Start-up Time	10 ms max.		
RMS Jitter (12 kHz to 20 MHz band)	1 ps max.		
Packing Unit	100pcs / 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

DLHC .... - ..... MHz

Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
33 = +3.3V	**A =** 0° / +50°C	**15 =** ±15 ppm	**E =** Tri-state	**H1 =** 5.08 mm	Please specify the frequency in MHz
50 = +5.0V	**D =** -10° / +60°C	**20 =** ±20 ppm	**F =** no Tri-state	**H2 =** 7.48 mm	
	E = 0° / +70°C	**25 =** ±25 ppm			
	F = -20° / +70°C	**30 =** ±30 ppm			
	G = -30° / +75°C	**50 =** ±50 ppm			
	H = -30° / +85°C	**100 =** ±100 ppm			
	K = -40° / +85°C				

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

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FCD-Tech B.V.
Stationsplein 99/259
1703 WE Heerhugowaard
Netherlands

Phone: +31 (0)20 8932140
Email: sales@fcd-tech.com
Website: www.fcd-tech.com

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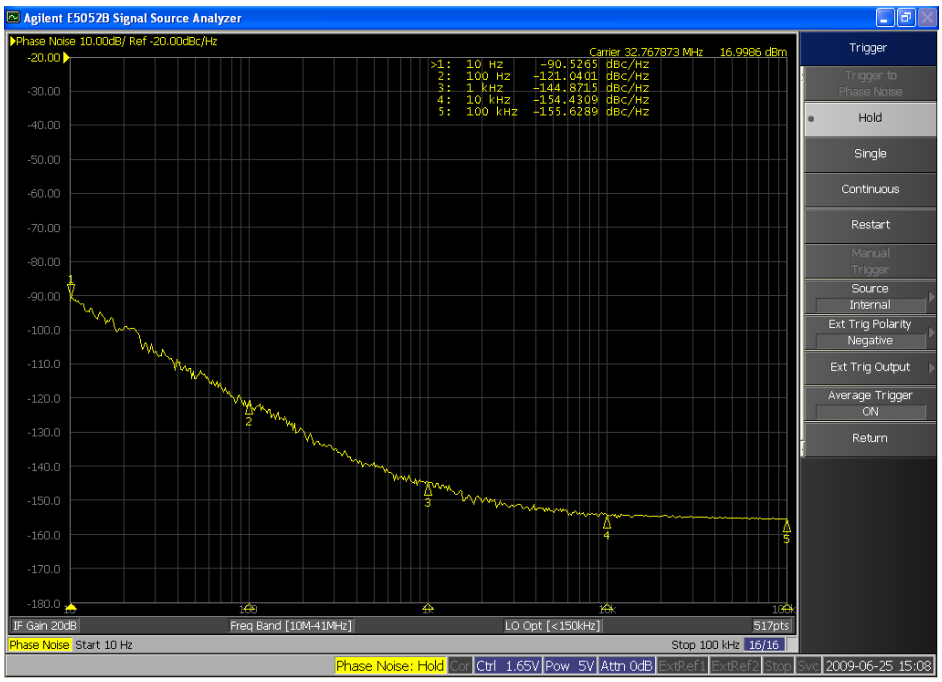
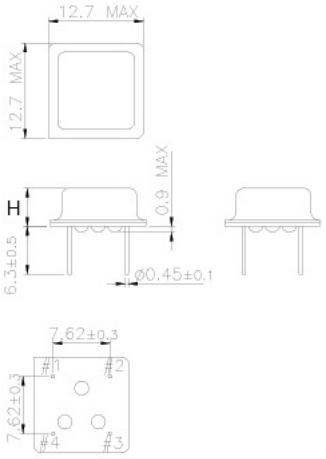
PHASE NOISE (32.768 MHz)



OUTLINE DIMENSIONS



Pin Connections **#1** : E/D **#2** : GND **#3**: Output **#4** : Vdd

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