

# Product Specification



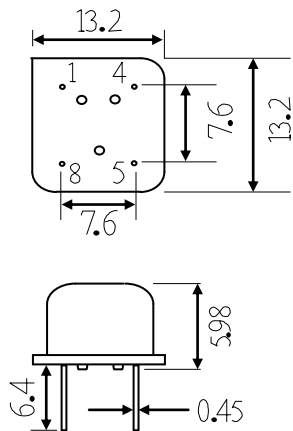
This product is certified to comply with the RoHS Directive 2002/95/EC.



## MH50 Series DIL-8 Clock Oscillator



- Metal case
- 5.0V supply
- Tri-state
- Wide frequency range
- -40 ~ +85°C available



Pad	Function
#1	E/D
#4	Ground
#5	O/P
#8	Supply

Specification									
<b>Frequency range</b>	0.5 ~ 156.25MHz								
<b>Stability (Note 1)</b>	±10 ~ ±100ppm								
<b>Temp. range</b>	-20 ~ +70°C -40 ~ +85°C								
<b>Supply voltage</b>	5.0V±10%								
<b>Supply current</b>	<table border="0"> <tr> <td>0.5 ~ 23.999MHz</td> <td>20mA max.</td> </tr> <tr> <td>24.0 ~ 49.999MHz</td> <td>30mA max.</td> </tr> <tr> <td>50.0 ~ 69.999MHz</td> <td>40mA max.</td> </tr> <tr> <td>70MHz+</td> <td>60mA max.</td> </tr> </table>	0.5 ~ 23.999MHz	20mA max.	24.0 ~ 49.999MHz	30mA max.	50.0 ~ 69.999MHz	40mA max.	70MHz+	60mA max.
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24.0 ~ 49.999MHz	30mA max.								
50.0 ~ 69.999MHz	40mA max.								
70MHz+	60mA max.								
<b>Output</b>	HCMOS <50MHz: 50pF <70MHz: 30pF >70MHz: 15pF								
<b>Duty cycle</b>	50%±5%@V <sub>DD</sub> /2								
<b>Rise/fall time</b>	10nS max.								
<b>Enable/Disable</b>									
<b>Pin 1 High (Logic 1)</b>	Output enabled								
<b>Pin 1 Open circuit</b>	Output enabled								
<b>Pin 1 Low (Logic 0)</b>	Output high impedance								

Note 1: Stability is inclusive of adjustment at 25°C, temperature variation, supply and load variation and ageing.

\*' suffix denotes RoHS Compliant

Standard packing: Bulk

Ordering Code Guide							
Series Code	Case	Voltage	Stability	Output	Temp. range	Frequency	RoHS
M	H=DIL-8	50=5.0V	A=±25ppm B=±50ppm C=±100ppm E=±20ppm F=±15ppm	H=HCMOS 15pF K=HCMOS 50pF	C=-20 ~ +70°C I=-40 ~ +85°C	xxMxxx	*

Issue 2 05/07/10