

Product Specification



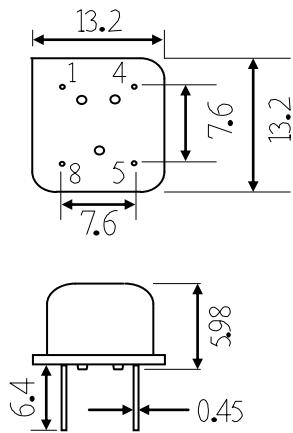
This product is certified to comply with the RoHS Directive 2002/95/EC.



MH33 Series DIL-8 Clock Oscillator



- Metal case
- 3.3V supply
- Tri-state
- Wide frequency range
- -40 ~ +85°C available



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

Specification									
Frequency range	0.5 ~ 125MHz								
Stability (Note 1)	±10 ~ ±100ppm								
Temp. range	-20 ~ +70°C -40 ~ +85°C								
Supply voltage	3.3V±10%								
Supply current	<table border="0"> <tr> <td>0.5 ~ 23.999MHz</td> <td>15mA max.</td> </tr> <tr> <td>24.0 ~ 49.999MHz</td> <td>20mA max.</td> </tr> <tr> <td>50.0 ~ 69.999MHz</td> <td>30mA max.</td> </tr> <tr> <td>70MHz+</td> <td>45mA max.</td> </tr> </table>	0.5 ~ 23.999MHz	15mA max.	24.0 ~ 49.999MHz	20mA max.	50.0 ~ 69.999MHz	30mA max.	70MHz+	45mA max.
0.5 ~ 23.999MHz	15mA max.								
24.0 ~ 49.999MHz	20mA max.								
50.0 ~ 69.999MHz	30mA max.								
70MHz+	45mA max.								
Output	HCMOS <50MHz: 30pF >50MHz: 15pF								
Duty cycle	50%±5%@V _{DD} /2								
Rise/fall time	8nS max.								
Enable/Disable									
Pin 1 High (Logic 1)	Output enabled								
Pin 1 Open circuit	Output enabled								
Pin 1 Low (Logic 0)	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