

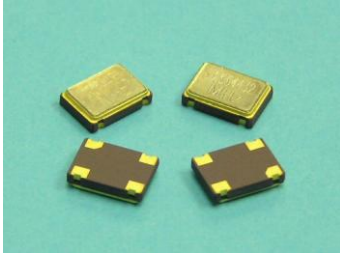
Product Specification



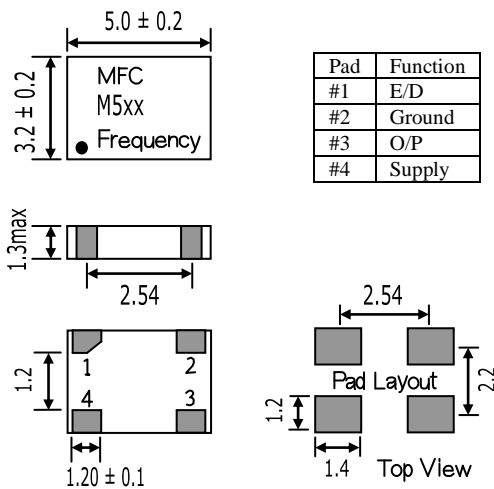
This product is certified to comply with the RoHS Directive 2002/95/EC.



M550 Series SMD Clock Oscillator



- 5.0x3.2x1.3mm
- Ceramic package
- 5.0V supply
- Small size
- Tri-state
- Wide frequency range
- -40 ~ +85°C available



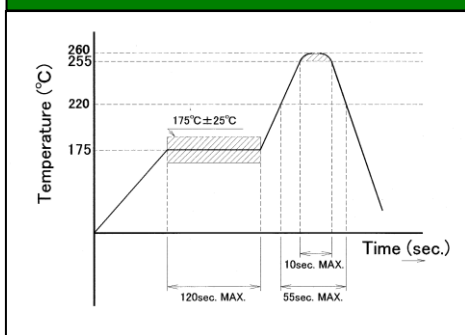
Specification									
Frequency range	1.544 ~ 125MHz								
Stability (Note 1)	±25 ~ ±100ppm								
Temp. range	-20 ~ +70°C -40 ~ +85°C								
Supply voltage	5.0V±10%								
Supply current	<table border="0"> <tr> <td>1.544 ~ 9.999MHz</td> <td>15mA max.</td> </tr> <tr> <td>10.0 ~ 34.999MHz</td> <td>20mA max.</td> </tr> <tr> <td>35 ~ 49.999MHz</td> <td>35mA max.</td> </tr> <tr> <td>50MHz+</td> <td>40mA max.</td> </tr> </table>	1.544 ~ 9.999MHz	15mA max.	10.0 ~ 34.999MHz	20mA max.	35 ~ 49.999MHz	35mA max.	50MHz+	40mA max.
1.544 ~ 9.999MHz	15mA max.								
10.0 ~ 34.999MHz	20mA max.								
35 ~ 49.999MHz	35mA max.								
50MHz+	40mA max.								
Output	HCMOS 15pF								
Duty cycle	50%±5%@V _{DD} /2								
Rise/fall time	5nS 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: 1Kpcs per 7" taped reel

Reflow Profile



Ordering Code Guide

Series Code	Case	Voltage	Stability	Output	Temp. range	Frequency	RoHS
M	5=5.0x3.2mm	50=5.0V	A=±25ppm B=±50ppm C=±100ppm	H=HCMOS 15pF	C=-20 ~ +70°C I=-40 ~ +85°C	xxMxxx	*

Issue 2 05/07/10

Magna Frequency Components, Magna House, Dales Manor Business Park, Sawston, Cambridge, CB22 3TJ
Tel: +44 1223 834800 Fax: +44 1223 834600 Email: sales@magnafrequency.com