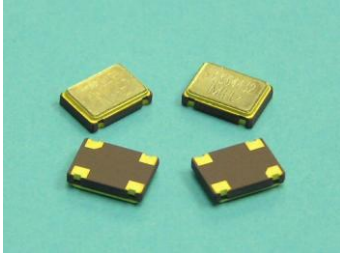


# Product Specification

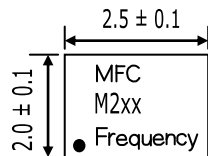


This product is certified to comply with the RoHS Directive 2002/95/EC.

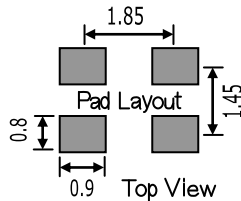
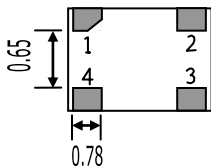
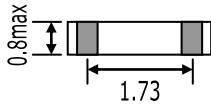
## M218 Series SMD Clock Oscillator



- 2.5x2.0x0.8mm
- Ceramic package
- 1.8V supply
- Small size
- Tri-state
- Wide frequency range
- -40 ~ +85°C available



Pad	Function
#1	E/D
#2	Ground
#3	O/P
#4	Supply



### Specification

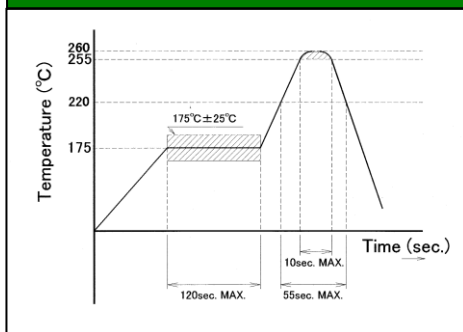
<b>Frequency range</b>	0.75 ~ 50MHz
<b>Stability (Note 1)</b>	±25 ~ ±100ppm
<b>Temp. range</b>	-20 ~ +70°C -40 ~ +85°C
<b>Supply voltage</b>	1.8V±5%
<b>Supply current</b>	
0.75 ~ 19.999MHz	2.5mA max.
20.0 ~ 39.999MHz	3mA max.
40.0MHz+	3.5mA max.
<b>Output</b>	HCMOS 15pF
<b>Duty cycle</b>	50%±5%@V <sub>DD</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: 1Kpcs per 7" taped reel

### Reflow Profile



### Ordering Code Guide

Series Code	Case	Voltage	Stability	Output	Temp. range	Frequency	RoHS
M	2=2.5x2.0mm	18=1.8V	A=±25ppm B=±50ppm C=±100ppm	H=HCMOS 15pF	C=-20 ~ +70°C I=-40 ~ +85°C	xxMxxx	*

Issue 2 01/07/10

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