

# DATA SHEET

P/N: LX1-8.000M-18-303020

VER:

PAGE:

1

## PRODUCT DESCRIPTION

### Standard atmospheric conditions

Unless otherwise specified. The standard range of atmospheric conditions for making measurement and tests are as follow:

Ambient temperature  $25\pm 2^{\circ}\text{C}$   
Relative humidity  $40\%\sim 70\%$

If there is no doubt the results, measurement shall be made within the following limits:

Ambient temperature  $25\pm 2^{\circ}\text{C}$   
Relative humidity :  $40\%\sim 70\%$

### Measure equipment

Electrical characteristics measured by S&A250B or equivalent.

### Crystal cutting type

The crystal is using AT CUT (thickness shear mode)

## ELECTRICAL SPECIFICATIONS

	Parameters	Symbol	Electrical Spec.	UNITS	Notes
1	Nominal Frequency	FL	8.0000	MHz	-
2	Oscillation Mode	-	Fund	-	-
3	Load Capacitance	CL	18.0	p F	-
4	Frequency Tolerance	-	+/-30	ppm	at $25\pm 2^{\circ}\text{C}$
5	Operating Temperature	-	$-20\sim +70^{\circ}\text{C}$	$^{\circ}\text{C}$	-
6	Frequency Stability (reference $25^{\circ}\text{C}$ )	-	+/-30	ppm	$-20\sim +70^{\circ}\text{C}$
7	Drive Level	DL	100.0	u W	-
8	Effective Resistance Rr	ESR	< 70.0	ohm	-
9	Shunt Capaitance C0	C0	< 5.0	p F	-
10	Insulation Resistance	IR	>500	M-ohm	at DC 100V
11	Aging	-	+/-5	ppm	1st Year
12	Reflow shift	-	+/-5	ppm	at $265\pm 2^{\circ}\text{C} * 10\text{sec}$
13	Storage Temperature Range	-	$-40\sim +85^{\circ}\text{C}$	$^{\circ}\text{C}$	-
14	ESD	-	HBM>2000V	$^{\circ}\text{C}$	JESD22-A114-B
15	Others	-	-	-	-

# DATA SHEET

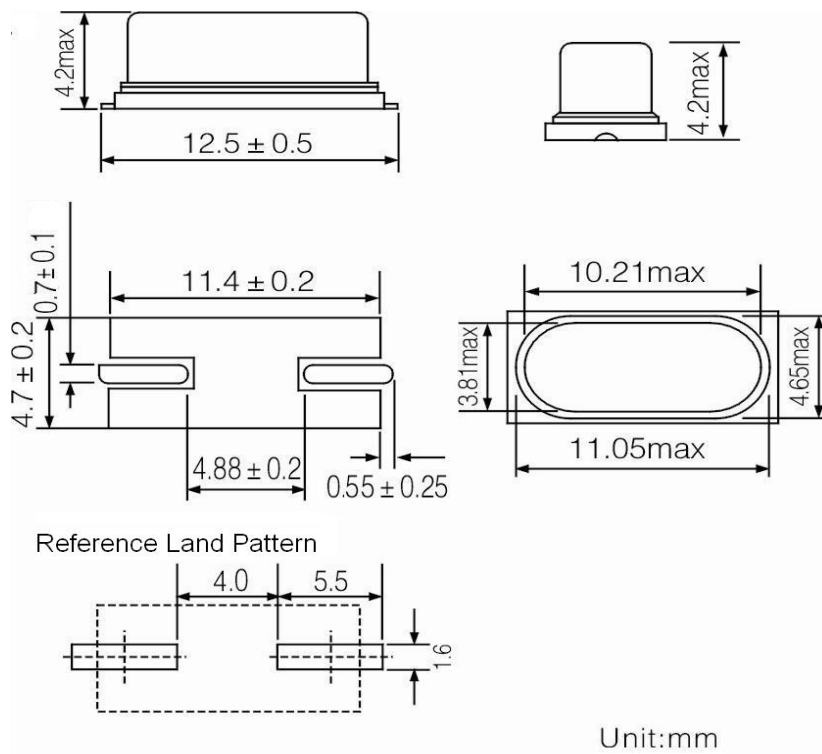
P/N: LX1-8.000M-18-303020

VER:

PAGE:

2

## DIMENSIONS



## MARKING



8.000: Frequency

## SUGGESTED REFLOW PROFILE

Total time : 200 sec. Max.

Solder melting point :  $185^{\circ}\text{C}$

