ELECTRICAL SPECIFICATIONS

Standard atmospheric conditions

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

Ambient temperature 25±2℃

Relative humidity 40%~70%

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

Ambient temperature 25±2℃

Relative humidity 40%~70%

Measure equipment

Electrical characteristics measured by MD-370S1 or equivalent.

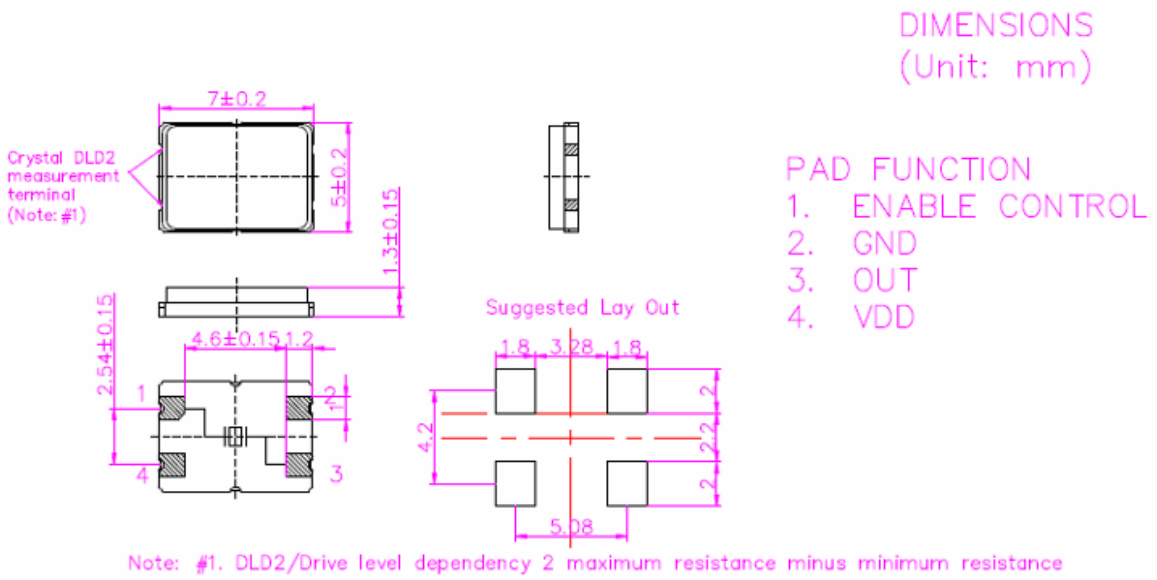
Crystal cutting type

The crystal is using AT CUT (thickness shear mode)

ELECTRICAL SPECIFICATIONS

Parameters	Symbol	Electrical Spec.	UNITS	Notes
Nominal Frequency	FL	40.000000	MHz	-
Frequency Tolerance	–	+/-50	ppm	at 25±2℃
Operating Temperature	TOPR	-40 ~ +85℃	℃	-
Frequency Stability	-	+/-50	ppm	over operating temp. range(reference 25℃)
Output		HCMOS		Load : 15pF
Current Consumption	IDD	25.0	m A	Max
Standby current consumption	I__std	10.0	u A	Max
Supply Voltage	VDD	3.3	V	-
“0”Level	VOL	VDD×0.1	V	Max
“1”Level	VOH	VDD×0.9	V	Min
Symmetry of Wave From	Symmetry	45~55%		-
Rise and Fall Time	Tr,Tf	10.0	nSec	Max
Start time	tosc	10.0	mSec	Max
Aging	-	+/-5	ppm	1st Year
Storage Temperature Range	-	-40 ~ +85℃	℃	-
Others	-			

DIMENSIONS



SUGGESTED REFLOW PROFILE

Total time : 200 sec. Max.

Solder melting point :185 °C