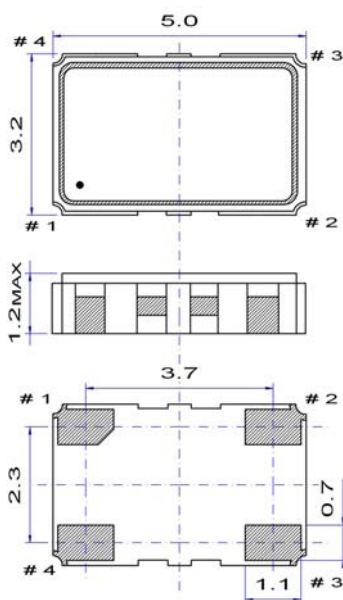


Specifications

Nominal Frequency Fo	13.0000 MHz	
Frequency stability:		
vs. operating temperature range	≤ ±0.5 ppm	over -40 ~ +85 °C
vs. supply voltage changes	≤ ±0.2 ppm	±5 %
vs. load changes	≤ ±0.1 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1 st year
Frequency tolerance	≤ ±0.5 ppm	@ +25 °C
Supply voltage	+3.3 V	±5 %
Current consumption	< 4 mA	
Output signal	CMOS	
Output level	V _{HO} ≥ 0.9 Vdc	V _{LO} ≤ 0.1 Vdc
Output load	15 pF	±5 %
Start-up time	< 2 ms	
Symmetry (Duty)	45 ~ 55 %	@ ½ Vdc
Phase noise @ 13 MHz carrier	-115 dBc/Hz -135 dBc/Hz -150 dBc/Hz	@ 100 Hz @ 1 kHz @ 10 kHz
Operating temperature range	-40 ~ +85 °C	
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel tape only	500 or 1'000 pcs < 500 pcs

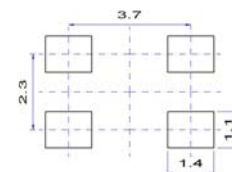
Mechanical Drawing and PIN Function



Pin function

- # 1 GND
- # 2 GND
- # 3 Output
- # 4 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature

