

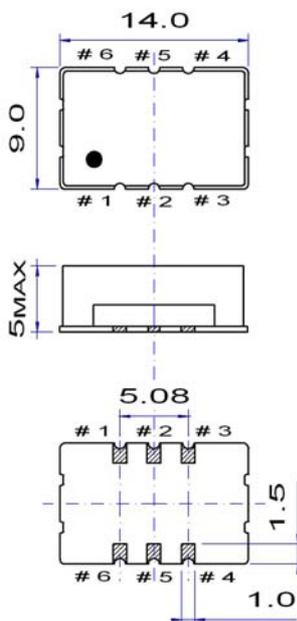
Application

Network synchronisation

Specifications

Nominal Frequency Fo	50.0000 MHz	
Frequency stability :	±4.6 ppm	over all
Inclusive frequency stability vs. temperature, tolerance @+25°C, aging 15 years, supply & load variation		
vs. Temperature	≤ ±0.50 ppm	over -40 ~ +85 °C
vs. Supply change	≤ ±0.20 ppm	±5 %
Frequency tolerance ex factory	≤ ±0.50 ppm	@+25°C
Supply voltage	+3.3 V	± 5 %
Current consumption	< 20 mA	
Output waveform	HCMOS	
Output level	V _{OH} ≥ 0.9 Vdc	V _{OL} ≤ 0.1 Vdc
Output load	15 pF	± 5 %
Start-up time	< 6 ms	
Tri-state function	pin #2 high or open pin #2 low	pin #4 → oscillation pin #4 → high impedance
Phase noise @ 50 MHz carrier frequency	< -132 dBc/Hz < -142 dBc/Hz	@ 1 kHz @ 10 kHz
Operating temperature range	-40 ~ +85 °C	
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel tape only or tray	500 pieces < 500 pcs

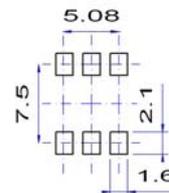
Mechanical Drawing and PIN Connections



Pad function

- # 1 non connected
- # 2 Tri-state
- # 3 GND
- # 4 RF Output
- # 5 non connected
- # 6 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature

