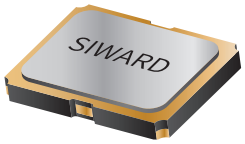
CRYSTAL OSCILLATOR

OSC81



Applications

- Multimedia / ADSL / WLAN
- PCI-E, Wearable Devices
- Automotive

Features

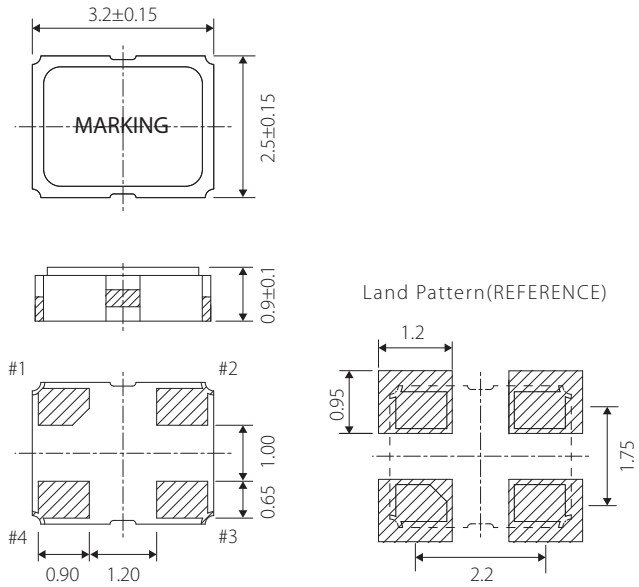
- Ceramic package / Dimensions (3.2×2.5×0.9)
- SMD Package / Low power supply voltage
- Wide range operating temperature (-40 ~ 125℃)
- Low current consumption
- Enable / Disable feature
- Compliant products with AEC-Q200

Specifications

Model	OSC81		
Frequency range	0.5~156.25MHz		
Storage temperature range	-55 ~ +125℃		
Operating temperature range	-40~+85℃	-40 ~ +105℃	-40 ~ +125℃
Frequency stability	±25ppm/±50ppm		
Power supply voltage	1.8V DC±10%	2.5V DC±10%	3.3V DC±10%
Current consumption	2.5mA max@~20M	5mA max@~20M	6mA max@~20M
	3mA max@~40M	6mA max@~40M	7mA max@~40M
	5mA max@~60M	8mA max@~60M	9mA max@~60M
	9mA max@~75M	12mA max@~75M	17mA max@~75M
	12mA max@~100M	23mA max@~100M	25mA max@~100M
	15mA max@~156.25M	26mA max@~156.25M	28mA max@~156.25M
Output level	C-MOS		
Output load	15pF		
Output Voltage level	V_{OL}: 10%Vcc max. / V_{OH}: 90%Vcc min.		
Rise & Fall time	7ns max.@10%Vcc ~ 90%Vcc		
Duty cycle	45~55%@50%Vcc		
Start-up time	5ms max.		
Phase Jitter	1ps max.@12KHz to 20MHz		

Package quantity: 3,000pcs max./Reel.

Outline and Dimensions [unit:mm]



Terminal	Connection
#1	Tri-state or N.C
#2	GND
#3	Output
#4	Vcc

Tri-state Function	
Tri-state pin	Output
High or Floating	Active
Low	Hi-Impedance

Patience Confidence Concentric
SIWARD