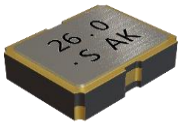
CRYSTAL OSCILLATOR

OSC81 Low Phase Noise



Applications

- Optical communication
- High-speed converter
- Server

Features

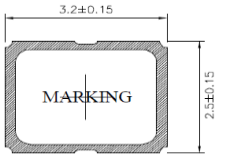
- Samll ceramic package / Dimensions (3.2* 2.5 *0.9)
- Low Phase noise
- AEC-Q200 compliant products.

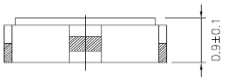
Specifications

Model	OSC81		
Nominal frequency	10.0~50.0MHz		
Storage temperature range	-55 ~ +125 ℃		
Operating temperature range	-40 ~ +125 ℃		
Frequency stability	±50ppm / ±100ppm		
Frequency Temp. Characteristics	±50 ppm @-40~+105 ℃,+25 ℃ as the reference		
Power supply voltage	1.8V DC±10%	2.5V DC±10%	3.3V DC±10%
Current consumption	2.5mA max@~25M	5mA max@~25M	6mA max@~25M
	5mA max@~49.152M	8mA max@~49.152M	9mA max@~49.152M
Output level	C-MOS		
Load	15 pF.		
Output voltage level	VOL: 10%Vcc max. / VOH: 90%Vcc min.		
Rise & Fall time	7ns max.@10%Vcc ~ 90%Vcc		
Duty cycle	45%~55% at 50%Vcc		
Start-up time	5ms max.		
Phase Jitter	60 fs max.@12KHz to 20MHz		
Phase Noise	-168 dBm/Hz typ. @100KHz 3.3V 49.152MHz)		

Package quantity : 3,000pcs max./Reel

Outline and Dimensions [unit: mm]

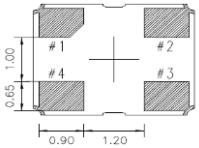


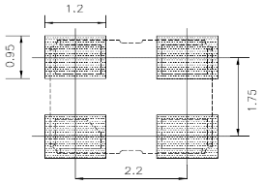


Terminal	Connection
#1	Tri-state or N.C
#2	GND
#3	Output
#4	Vcc

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

Land Pattern(REFERENCE)





Patience Confidence Concentric

STWARD