

CRYSTAL OSCILLATOR

OSCA6 Low Phase Jitter



Applications

- Optical communication
- High-speed converter
- Server

Features

- Small ceramic package / Dimensions (2.0* 1.6 *0.8)
- Low Phase Jitter
Jitter 60 fs max @12KHz to 20MHz

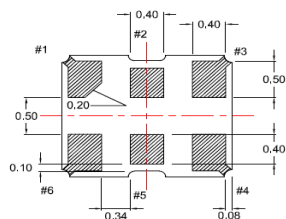
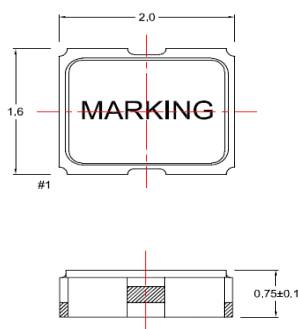
Specifications



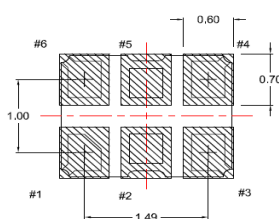
Model	OSCA6	
Nominal frequency	100.0~190.0MHz	
Storage temperature range	-55 ~ +125 °C	
Operating temperature range	-40 ~ +125 °C	
Frequency stability	±50ppm / ±100ppm	
Frequency Temp. Characteristics	±50 ppm @ -40~+105 °C, +25 °C as the reference	
Power supply voltage	2.5V DC±10%	3.3V DC±10%
Current consumption	22.5mA max@~125M	23.5mA max@~125M
	29mA max@~200M	30mA max@~200M
Output level	LVDS	
Load	100Ω	
Output voltage level	VOL: 10%Vcc max. / VOH: 90%Vcc min.	
Rise & Fall time	1.0ns max.@20%Vcc ~ 80%Vcc	
Duty cycle	45%~55% at 50%Vcc	
Start-up time	5ms max.	
Phase Jitter	60 fs max.@12KHz to 20MHz	
Phase Noise	-159 dBm/Hz typ. @100KHz 3.3V 156.25MHz	

Package quantity : 3,000pcs max./Reel

Outline and Dimensions [unit: mm]



Land Pattern(REFERENCE)



Terminal	Connection
#1	Tri-state or N,C
#2	N,C
#3	GND
#4	OUT1
#5	OUT2
#6	Vcc

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

