

CRYSTAL OSCILLATOR

OSC81



Applications

- Mobile phone / Wireless-LAN / PC-Card / DVD / DVC / DSC etc..

Features

- Ceramic package / Dimensions (3.2×2.5×0.9)
- SMD Package / Low power supply voltage
- Low current consumption
- Wide range operating temperature (-40~85°C)
- Enable / Disable feature

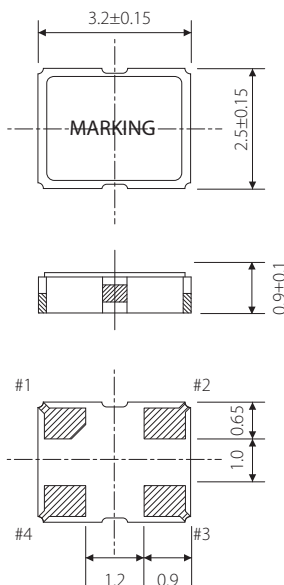
Specifications



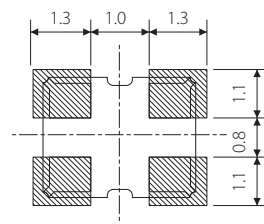
Model	OSC81		
Frequency range	0.625~ 80.000MHz		0.625~50.000 MHz
Storage temperature range	-55~ +100°C		
Operating temperature range	-20~+70°C, -40 ~ +85°C		
Frequency stability	±30×10 ⁻⁶ , (-20~70°C), ±50×10 ⁻⁶ , ±100×10 ⁻⁶		
Power supply voltage (Vdd)	+3.3V DC ±5%	+2.5V DC ±5%	+1.8V DC ±5%
Current consumption	7 mA max: ~20MHz 13 mA max: ~40MHz 19 mA max: ~60MHz 24 mA max: ~75MHz	5 mA max: ~20MHz 9 mA max: ~40MHz 11 mA max: ~60MHz 14 mA max: ~75MHz	2.5 mA max: ~20MHz 3.0 mA max: ~40MHz 3.5 mA max: ~50MHz
Output level	C-MOS		
Load	15pF max.		
Output voltage level	V _{OL} : 10%V _{DD} max. / V _{OH} : 90%V _{DD} min.		
Rise & Fall time	10ns max. / 10%V _{DD} - 90%V _{DD}		
Duty cycle	45%~55% at 1/2V _{DD}		40%~60% at 1/2V _{DD}
Tri-state Function	#1: Floating or "H"→Output enable / #1: "L"→Output disable (Hi-Z)		

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

Outline and Dimensions [unit:mm]



Example of a Terminal Land Pattern



Terminal	Connection
#1	Tri-state
#2	GND
#3	OUTPUT
#4	Vdd

Tri-state Function

Tri-state Pin	Output
High or Floating	Active
Low	Hi-impedance