

CRYSTAL OSCILLATOR

OSC52



Applications

- PC Main board / VGA card / DVD / DVC / DSC / Printer / Scanner / Game Console

Features

- Low height ceramic package / Dimensions (7.0×5.0×1.4)
- CMOS / TTL Output with Tri-state function

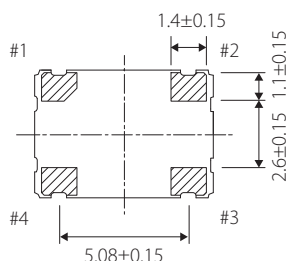
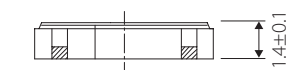
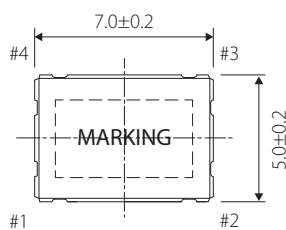
Specifications



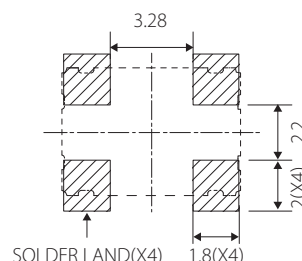
Model	OSC52		
Frequency range	0.5~160.0MHz		
Storage temperature range	-55 ~ +125°C		
Operating temperature range	-40~+85°C, -40 ~ +105°C, -40 ~ +125°C		
Frequency stability	± 25ppm/ ± 50ppm		
Power supply voltage	1.8V DC ± 10%	2.5V DC ± 10%	3.3V DC ± 10%
Current consumption	2.5mA max@~20M	5mA max@~20M	6mA max@~20M
	6mA max@~40M	7mA max@~40M	10mA max@~40M
	8mA max@~60M	12mA max@~60M	18mA max@~60M
	10mA max@~75M	14mA max@~75M	22mA max@~75M
	12mA max@~100M	23mA max@~100M	25mA max@~100M
	15mA max@~125M	26mA max@~125M	28mA max@~125M
	20mA max@~160M	35mA max@~160M	40mA max@~160M
Output level	C-MOS		
Output load	15pF		
Output Voltage level	Vol: 10%Vcc max. / VOH: 90%Vcc min.		
Rise & Fall time	7ns max.@10%Vcc ~ 90%Vcc		
Duty cycle	45~55%(F ≤ 125M)@50%Vcc, 40~60%(F ≥ 125M)@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]



Land Pattern(REFERENCE)



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

