

Simple Packaged Crystal Oscillator (SPXO)

High stability
Ceramic Package
Low Jitter

Pb-free : RoHs compliance



SP-5032HC2 / 3

Typical applications

- PLC modem, WiMax, Wireless LAN, Wireless radios.

Features

- 4.0 to 54 MHz.
- C-MOS out / 15pF Load.
- With built-in simple temperature amends circuit.
- Package : Metal lid + Ceramic package.
- 5.0×3.2×1.15mm

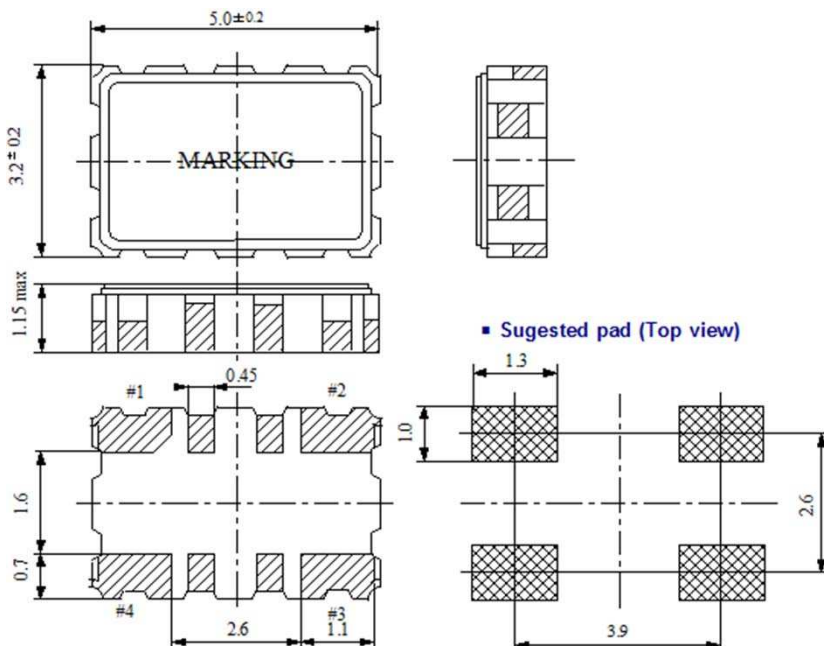
Specifications

Model		SP-5032HC2	SP-5032HC3
Available Frequency Range		4.000 to 54.000 MHz	
Frequency Stability		±5.0 ppm , ±10.0 ppm (-40 to +85° C)	
Operating Temperature		-40 to +85° C	
Storage Temperature		-40 to +85° C	
Power Supply Voltage		2.5 V±5%	3.0 V±5% , 3.3V±5%
Power Supply Current Consumption		7 mA max.	
Output	Level	C-MOS	
	Load	15 pF max.	
	Output Voltage	Vol : 0.1Vdd max. , Voh : 0.9Vdd min.	
	Rise & Fall Time	5ns max. at 10% to 90% Vdd	
	Duty Cycle	45 to 55% at 50% Vdd	
Tri state Function		#1 : N.C. or "H"→Output enable / #1 : "L"→Hi-Z(Output disable)	

Environmental Characteristics

Description	Specification
Fall Shock	Test : 3 time free drop onto concrete board from 150cm high Result: ±5.0 ppm max.
Vibration Shock	Test : Freq. 5-500Hz, Amplitude 1.5mm, Test time 4cycles/XYZ axis Result: ±5.0 ppm max.
Solderability	Test : Immersed into solder bath at 235±° C for 3 sec. Result: More than 95%
Humidity	Test : 90 to 95%RH at 60±3° C±500 hours Result: ±5.0 ppm max.
Reflow Heat	Test : 2 times of IR reflow soldering in accordance with reflow temerature profil as per the document No.:TR-0531 Result: ±5.0 ppm max.

Outline Drawing & Suggested Pad



TERMINAL	CONNECTION
#1	CE
#2	GND
#3	OUTPUT
#4	Vdd