

SMD Crystal Oscillators

CMOS Output

5.0x3.2x1.2mm O53 Series



Features

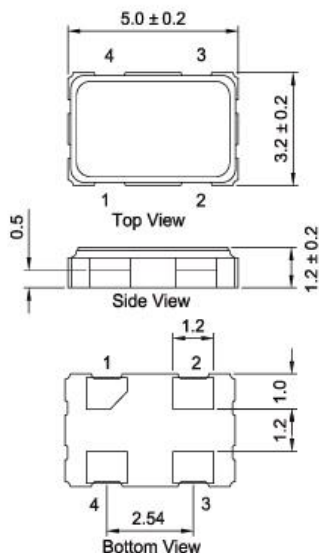
- Small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8V~5.0 V.
- High stability, low jitter, low power consumption.
- Main application : wireless communication set, PDA, and DSC.
- RoHS Compliant / Pb Free



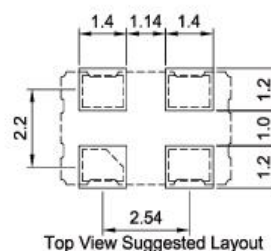
Crystals specifications

ITEMS/TYPE	O53		
Frequency Range	1~170MHz		
Output Type	CMOS		
Output Load	15pF , or specify		
Oscillation Mode	Fundamental / 3rd Overtone		
Supply Voltage	1.8V	2.5V,2.8V,3.3V	5V
Frequency Stability	± 20 ppm , or specify		
Operating Temperature Range	-40~+85 °C , or specify		
Storage Temperature Range	-55~+125 °C		
Voltage Vol (Max.)/Voltage Voh (Min.)	VOH=90%Vdd / VOL+10%Vdd		
Rise (Tr) / Fall (Tf) Time	8 ns Max.		
Current Consumption	20 mA Max.		
Symmetry	40 ~ 60 %		
Start-up Time	5 ms Max.		
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.		
Aging (at 25°C)	± 3 ppm / year Max.		
Packing Unit(包装单位)	1,000pcs/Reel		

Dimensions and patterns(unit:mm)



PAD FUNCTION:
 1: ENABLE CONTROL
 2: GND
 3: OUT
 4: VDD



Units:mm