



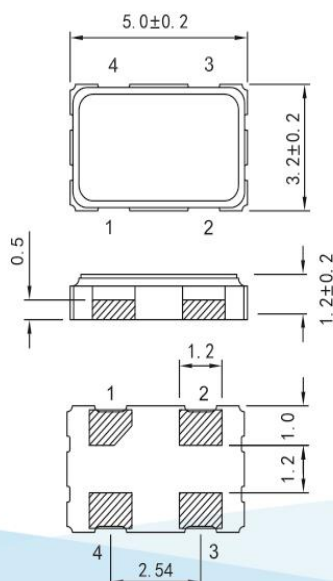
Features

- > Ultra small SMD seam sealed clock crystal oscillator units.
- > High precision characteristic covering up to high frequency range.
- > Designed for automatic mounting and reflow soldering.
- > Optionable stand-by function for output: Tri-state output.
- > Supply voltage range : 1.8 V ~ 5 V.
- > High stability, low jitter , low power consumption.
- > Main application : wireless communication set, PDA, and DSC.
- > RoHS Compliant / Pb Free.

Electrical Specifications

Output Type	CMOS		
Output Load	15 pF	15 pF, 30 pF	15 pF, 50 pF
Oscillation Mode	Fundamental / 3rd Overtone		
Supply Voltage	1.8V	2.5V, 2.8V, 3.3V	5V
Frequency Range	1.5~127 Mhz		
Frequency Stability	± 25 ppm , ± 50 ppm		
Operating Temperature Range	$-10 \sim +70^{\circ}\text{C}$, $-40 \sim +85^{\circ}\text{C}$		
Storage Temperature Range	$-55 \sim +125^{\circ}\text{C}$		
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD		
Rise (Tr) / Fall (Tf) Time	10 ns Max.		
Supply Current	10 mA Max.	30 mA Max.	45 mA Max.
Symmetry	40~60 %		
Start-up Time	5 ms Max.		
Phase Jitter (12 KHz ~ 20 MHZ)	3 ps Max.		
Aging (at 25 $^{\circ}\text{C}$)	± 3 ppm / year Max.		

Dimensions



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

