

# SMD Crystal Oscillator 2.0x1.6 x0.75 mm1.6J Series



## Features

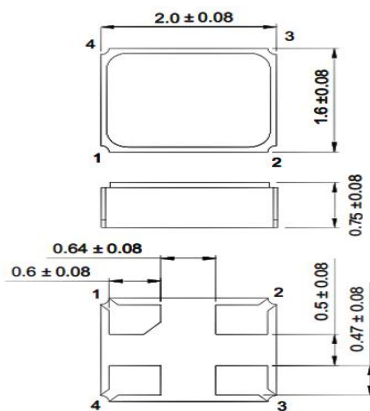
- Extremely Small SMD seam sealed clock oscillator units.
- Applications for smart phone, sip module, variety of compact portable consumer products
- Tri-state function available.
- High reliable environmental performance.



## Electrical Specifications

Item / Type	
Frequency Range	4 ~ 100MHZ
Output Type	COMS
Oscillation Mode	Fundamental / 3rd Overtone
Supply Voltage	1.8 V 2.5 V , 2.8 V , 3.3 V 5v
Output Load	15 pF , or specify
Frequency Stability	± 20 ppm , ± 30 ppm
Operating Temperature Range	- 20 ~ + 75 °C , - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol ( Max. ) / Voh ( Min. )	0.1 VDD / 0.9 VDD
Rise ( Tr ) / Fall ( Tf ) Time	8 ns Max.
Supply Current	15 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	5 ms Max.
Phase Jitter ( 12 KHz ~ 20 MHz )	1 ps Max.
Aging ( at 25 °C )	± 3 ppm / year Max.

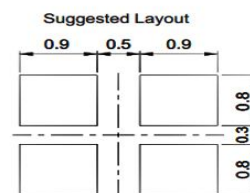
## Dimensions



Bottom View



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



Top View Suggested Layout

Units: mm