



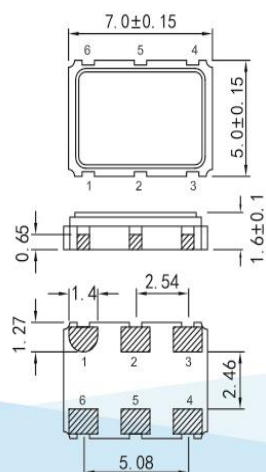
Features

- > Voltage Controlled Crystal Oscillator (VCXO).
- > Fundamental solution.
- > CMOS output, output frequencies 1 MHz to 59 MHz.
- > Wide pull range and good linearity.
- > Excellent low phase noise and jitter.
- > Tri-State function available.
- > Supply Voltage Range : 3.3 V ~5 V.
- > Main applications : ADSL, Set-top Box, and BS.
- > RoHS Compliant / Pb Free.

Electrical Specifications

Output Type	CMOS
Output Load	15 pF
Oscillation Mode	Fundamental
Supply Voltage	3.3V , 5V
Frequency Range	1~59 Mhz
Frequency Stability	± 25 ppm , ± 50 ppm , ± 100 ppm
Operating Temperature Range	-10 ~ + 70 °C , - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol (Max.) / Voh (Min.)	0.1VDD / 0.9VDD
Rise (Tr) / Fall (Tf) Time	5 ns Max.
Supply Current	45 mA Max.
Symmetry	40~60 %
Start-up Time	10 ms Max.
Frequency Pulling Range	± 100 ppm Min , or specify.
Nominal Control Voltage	0.5 VDD
Control Voltage Range	0.1 VDD / 0.9 VDD
Linearity	± 10 % Max.
Phase Jitter (12 KHz ~ 20 MHZ)	10 ps Max.
Aging (at 25°C)	± 3 ppm / year Max

Dimensions

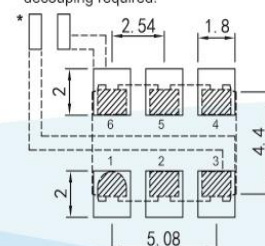


PAD FUNCTION:

- 1:CONTROL VOLTAGE
- 2:ENABLE CONTROL
- 3:GND
- 4:OUT
- 5:NC
- 6:VDD

Suggested Layout

* :External high frequency power supply decoupling required.



Units:mm