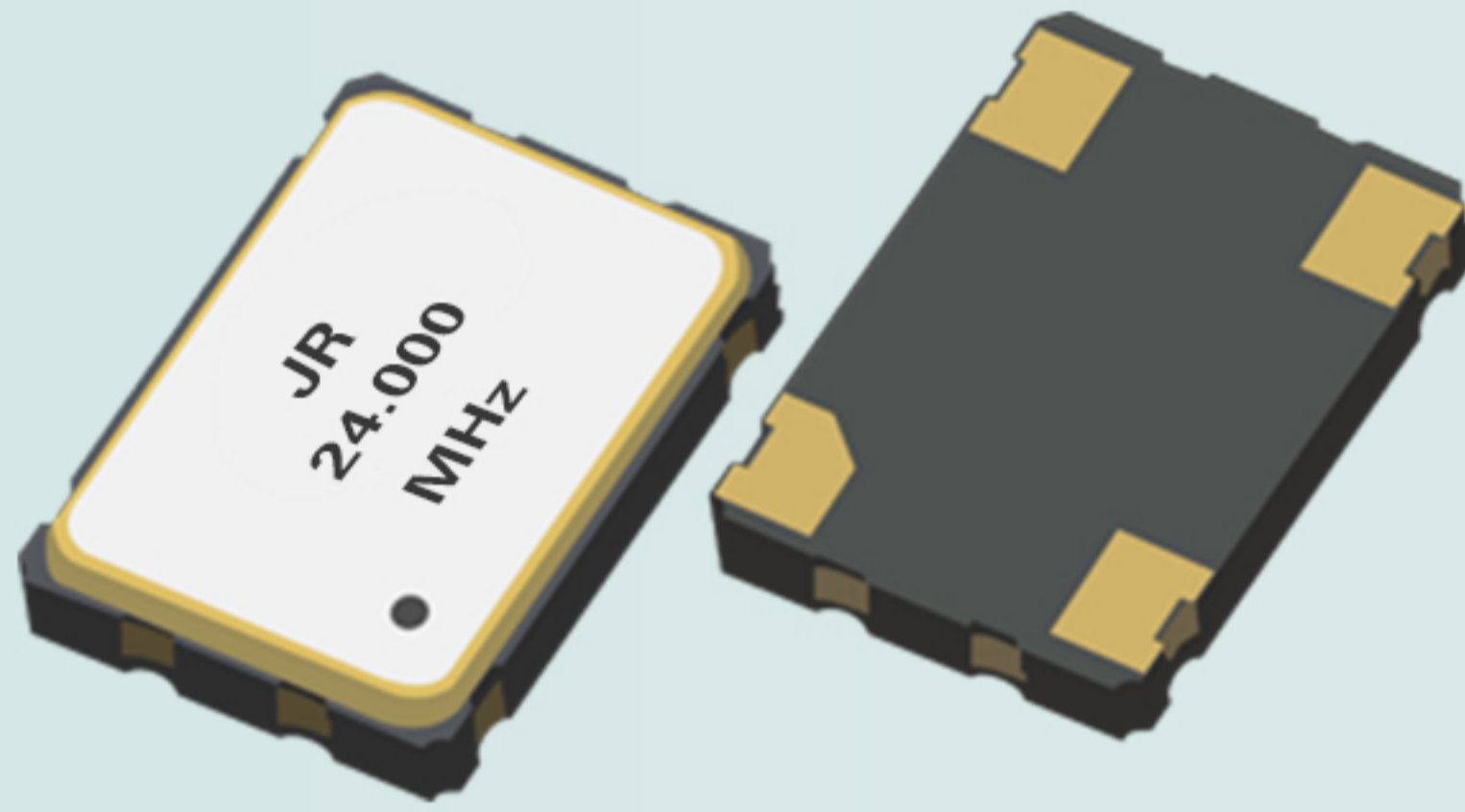


SMD Voltage Controlled Crystal Oscillators 7.0 x 5.0 x 1.3 mm



Features

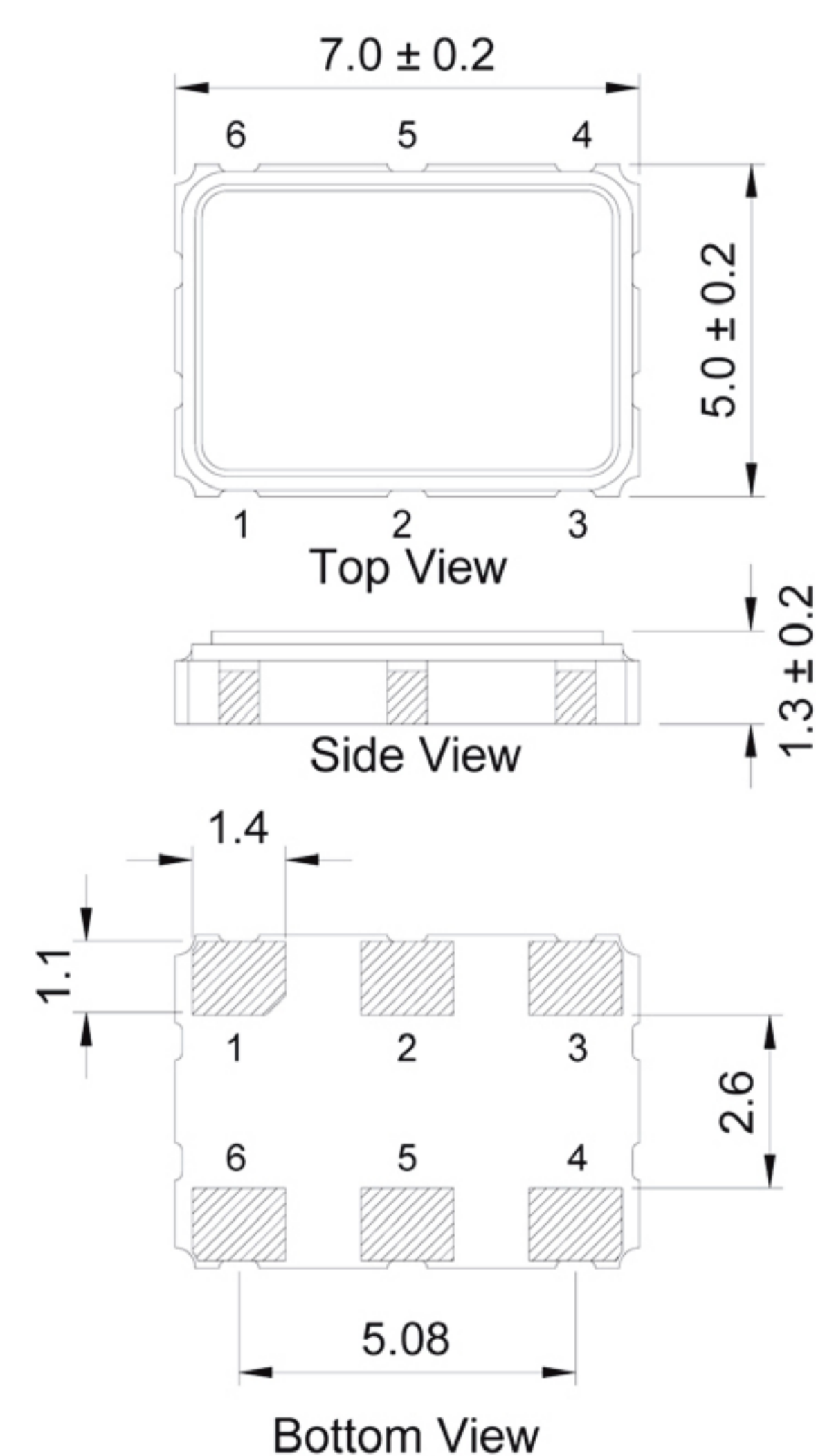
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- CMOS output, output frequencies 1 MHz to 59 MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Supply Voltage Range : 3.3 V , 5 V.
- Main applications : ADSL, Set-top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

Electrical Specifications

Item / Type	7050
Output Type	CMOS
Output Load	15 pF - 30 pF
Oscillation Mode	Fundamental
Supply Voltage	3.3 V , 5 V
Frequency Range	1~150MHz
Operating Temperature Range	-40~125°C
Storage Temperature Range	-40~125°C
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD
Rise (Tr) / Fall (Tf) Time	5 ns Max.
Supply Current	45 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 ms Max.
Frequency Pulling Range	±10 ppm, ±25ppm
Nominal Control Voltage	0.5 VDD
Control Voltage Range	0 ~ VDD
Linearity	± 10 % Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.
Aging (at 25 °C)	± 3 ppm / year Max

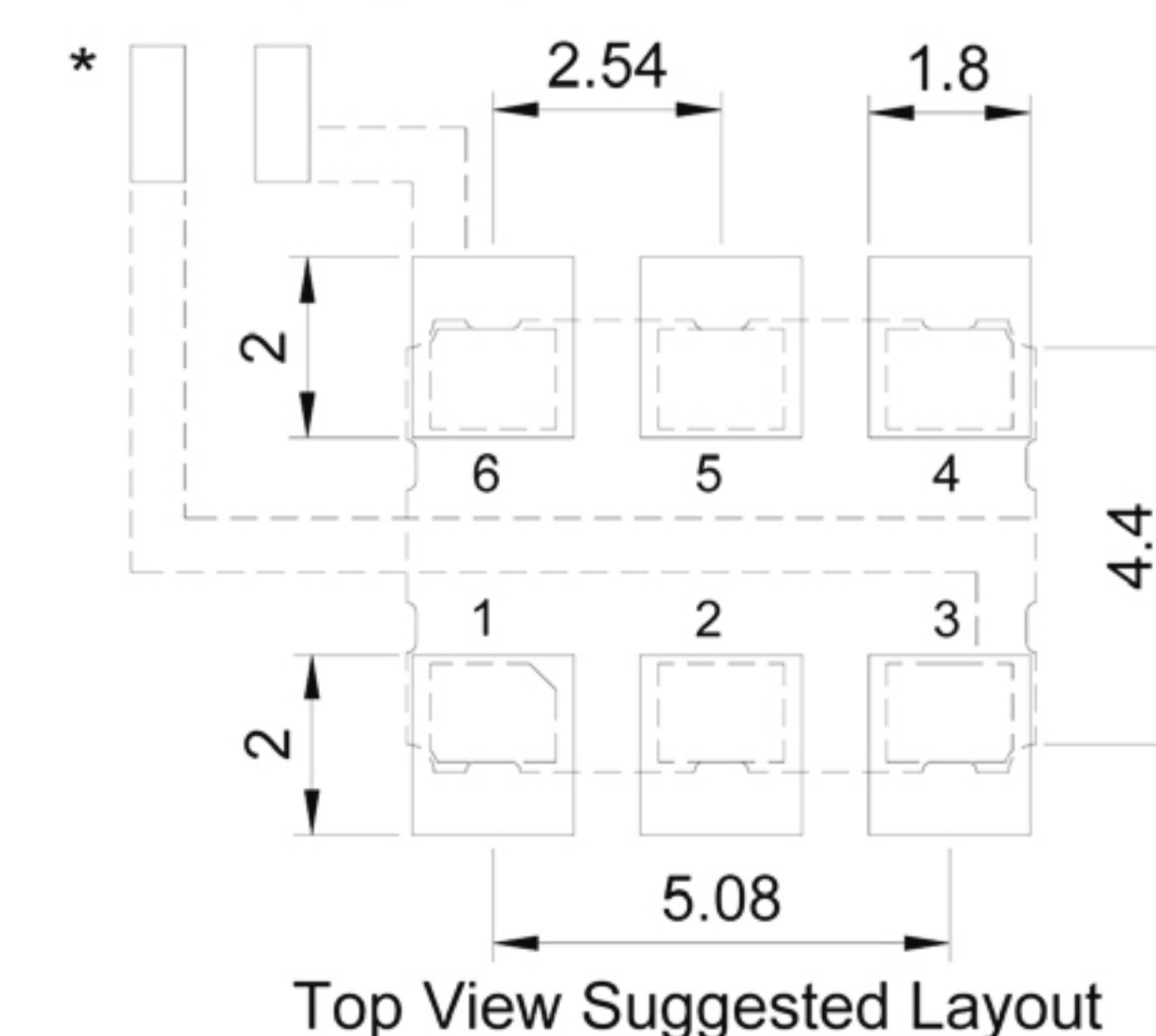
* APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

Dimensions



PAD FUNCTION:
 1: CONTROL VOLTAGE
 2: ENABLE CONTROL or NC
 3: GND
 4: OUT
 5: NC
 6: VDD

*:External high frequency power supply decoupling required.



Units: mm