

SMD Voltage Controlled Crystal Oscillators 7.0 x 5.0 x 1.3 mm 6U Series

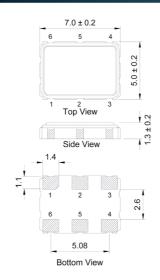
Features

- · 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	6U
Output Type	CMOS
Output Load	15 pF - 30 pF
Oscillation Mode	Fundamental
Supply Voltage	3.3 V , 5 V
Frequency Range	1 ~ 59 MHz
Operating Temperature Range	- 10 \sim + 70 $^{\circ}$ C , - 40 \sim + 85 $^{\circ}$ C
Storage Temperature Range	- 55 ~ + 125 ℃
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	\pm 50 , \pm 100 ppm , or specify.
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

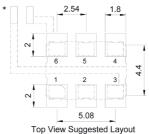
^{*} APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

Dimensions



PAD FUNCTION:

- 1: CONTROL VOLTAGE
 2: ENABLE CONTROL or NC
- 3: GND 4. OUT
- 5: NC 6: VDD
- :External high frequency power supply



Units: mm