

## 7 x 5 mm SMD CMOS VCXO 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                     |
| Oscillation Mode                  | Fundamental               |
| Supply Voltage                    | 3.3 V , 5 V               |
| Frequency Range                   | 1 ~ 59 MHz                |
| Frequency Stability               | ± 50 ppm                  |
| Operating Temperature Range       | - 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    | 5 ns Max.                 |
| Supply Current                    | 45 mA Max.                |
| Symmetry                          | 40 ~ 60 % , 45 ~ 55 %     |
| 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 )  | 1 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



Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.

# Mouser Electronics

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