

Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- Package size: 7.0×5.0×1.3 mm.
- LVDS output VCXO, output frequencies range 50MHz to 700MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: SDH, SONET, Ethernet, Base Stations, Femtocell, Satellite, etc.
- RoHS Compliant / Pb-Free.



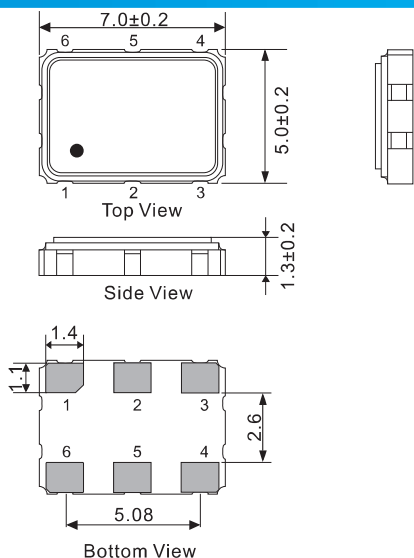
Electrical Specifications

Item /Type	6V (SMD 7050 VCXO)	
Output Type	LVDS	
Output Load	100Ω	
Oscillation Mode	Fundamental	PLL
Frequency range	50MHz~200MHz	60MHz~700MHz
Supply voltage	3.3V	
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify	
Storage Temperature Range	-55~+125°C	
Voltage Vol (Typ.) / Voh (Typ.)	VDD-1.62V /VDD-1.025V	
Rise(Tr) / Fall(Tf) Time(20%~80%)	1nS Max.	
Supply Current	80mA Max.	99mA Max.
Symmetry	45~55%	
Start-up Time	10ms Max.	
Absolute Pulling Range (APR)*	±50ppm Min., or specify	
Nominal Control Voltage	0.5VDD	
Control Voltage Range	0~VDD	
Linearity	10% Max.	
Phase Jitter(12KHz~20MHz)	±10pS Max	1pS Max

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

Dimensions

Units:mm



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.

