



Features

- Fundamental /3rd overtone/PLL solution.
- 3.3V / 2.5V operation voltage.
- LVPECL output, output frequencies 25MHz to 700MHz.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: Ethernet, Server, SDH, SONET, PC, Mobile Telecommunications, etc.



Electrical Specifications

Type	SMD 7050 LVPECL CRYSTAL OSCILLATOR		
Output Type	LVPCEL		
Output Load	50Ω to VDD-2V	50Ω to VDD-2V	50Ω to VDD-2V
Oscillation Mode	Fundamental	3rd Overtone	PLL
Supply Voltage	2.5V, 3.3V		
Frequency Range	25MHz~200MHz		75MHz~700MHz
Overall Frequency Stability*	±50ppm, or specify		
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-1.026V		
Rise(Tr) / Fall(Tf) Time(20%~80%)	1ns Max.		
Supply Current	80mA Max.		99mA Max.
Symmetry	45~55%		
Start-up Time	10ms Max.		
Phase Jitter(12kHz~20MHz)	1ps Max.		

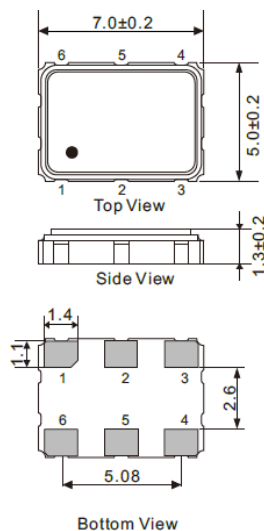
* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Ordering Information

KOP7050	025M	25	50	A	
Product Code	Frequency Range 25MHz	Supply Voltage 25=2.5V	Frequency Stability 50=±50ppm	Operating Temperature	
				A:-20~+70°C B:-10~+70°C C:-40~+85°C	D:-40~+125°C E:-10~+60°C F:-30~+70°C

Dimension

Units:mm



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

* External high frequency power supply decoupling required.

