



Features

- Fundamental /3rd overtone/PLL solution.
- 3.3V / 2.5V operation voltage.
- LVDS 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 LVDS CRYSTAL OSCILLATOR		
Output Type	LVDS		
Output Load	100Ω	100Ω	100Ω
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.)	0.9V / 1.6V		
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

KOL7050	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

