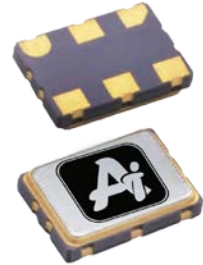




Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental /PLL solution.
- LVDS output, output frequencies 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.



Electrical Specifications

Type	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.)	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.	
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.)

Ordering Information

KVL7050	050M	33	00	A		50
Product Code	Frequency Range 50MHz	Supply Voltage 33=3.3V	Frequency Stability 00=No Item	Operating Temperature		APR 50=±50ppm
				A:-20~+70°C	D:-40~+125°C	
				B:-10~+70°C	E:-10~+60°C	
				C:-40~+85°C	F:-30~+70°C	

Dimension

Units:mm

