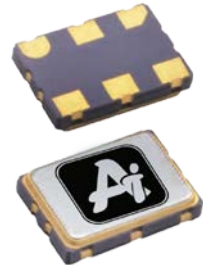




## Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- CMOS output, output frequencies 1MHz to 200MHz.
- 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	CMOS	
Output Load	15pF~30pF	15pF or specify
Oscillation Mode	Fundamental	
Supply Voltage	3.3V, 5V	3.3V
Frequency Range	1MHz~59MHz	50MHz~200MHz
Frequency Stability*	±25ppm, ±50ppm, ±100ppm	
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify	
Storage Temperature Range	-55~+125°C	
Voltage Vol (Typ.) / Voh (Typ.)	0.1VDD / 0.9VDD	
Rise(Tr) / Fall(Tf) Time(20%~80%)	5ns Max.	
Supply Current	10~45mA Max.	60mA Max.
Symmetry	40~60%, 45~55%	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)	1ps Max.	

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

## Ordering Information

KVC7050	050M	33	50	A		50
Product Code	Frequency Range 50MHz	Supply Voltage 33=3.3V	Frequency Stability 50=±50ppm	Operating Temp.		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

