Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- LVPECL output, output frequencies 50MHz 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 5032 LVPECL VCXO
Output Type	LVPECL
Output Load	50Ω to VDD-2V
Oscillation Mode	Fundamental
Supply Voltage	3.3V
Frequency Range	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.)	VDD-1.62V / VDD-1.025V
Rise(Tr) / Fall(Tf) Time(20%~80%)	1ns Max.
Supply Current	80mA 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)	1ps Max.

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

Ordering Information

KVP5032	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℃ B:-10~+70℃ C:-40~+85℃	D:-40~+125℃ E:-10~+60℃ F:-30~+70℃	

Dimension

Units:mm