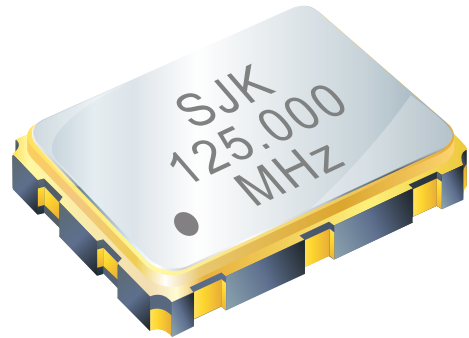


Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- Package size: 7.0×5.0×1.3 mm.
- CMOS 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.
- RoHS Compliant / Pb-Free.



Electrical Specifications

Item /Type	6S (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.)

Dimensions

Units:mm

