

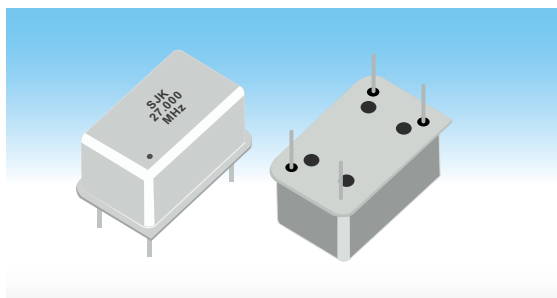
VCXO / Voltage Controlled Crystal Oscillator

6RF Series Thru-hole DIP-14 VCXO

1.25~220MHz

O: CMOS

Size: 20.4×12.9×6.0mm



Features

- All metal welded thru-hole DIP-14 (full-size) package
- Thru-hole DIP-14 VCXO (Voltage Controlled Crystal Oscillators)
- Operating voltage: 1.8V / 3.3V / 5.0V
- High frequency range: 1.25MHz~220MHz
- Low phase noise
- Application for test equipment, Avionics, Electronic instruments, Smart grid, Inverter, etc
- RoHS Compliant /Pb Free

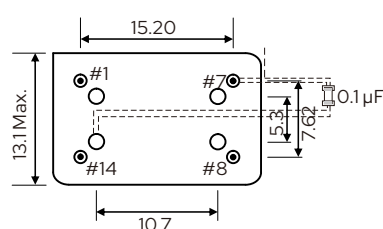
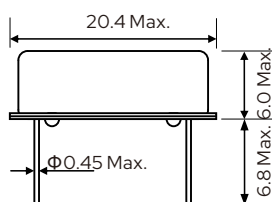
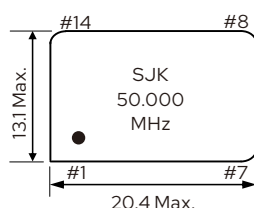


Standard Specifications

Item	Type	6RF Series Thru-hole DIP-14(Full-size) VCXO
Output Type		CMOS
Load condition		15pF, or specify
Frequency Range		1.25MHz~220MHz
Supply Voltage		1.8V / 3.3V / 5.0V
Frequency Control Voltage		0.9V±0.9V(1.8V), 1.65V±1.65V(3.3V), 2.5V±2.5V(5V)
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify
Frequency Adjustment Range		±80ppm min., or specify
Current Consumption		45mA max.
Stand-by Current		30µA max.
Symmetry		45~55%
0 Level Output Voltage (V _{OL})		V _{CC} ×0.1 max.
1 Level Output Voltage (V _{OH})		V _{CC} ×0.9 min.
Rise Time / Fall Time		10ns max.
OE Pin 0 Level Input Voltage (V _{IL})		0.3V _{CC} max.
OE Pin 1 Level Input Voltage (V _{IH})		0.7V _{CC} min.
Phase Jitter (12KHz~20MHz)		1ps max.
Start-up Time		10ms max.
Linearity		10% max.
Input Impedance		5MΩ min.
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C
Modulation bandwidth (BW)		10KHz min.

Dimensions

[mm]



Pin Connections	
Pin No.	Connection
#1	V _{cont}
#7	GND
#8	Output
#14	V _{CC}