

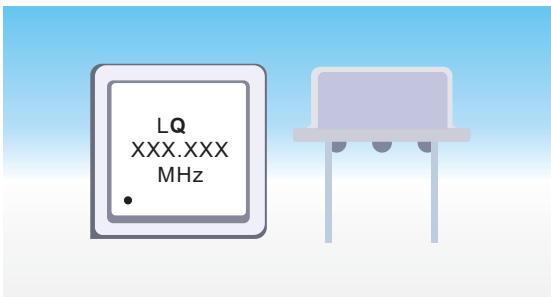
# VCXOs / Voltage Controlled Crystal Oscillators

6RH Series Half-size VCXOs

1.25~220MHz

O: CMOS

Size:12.8 ×12.8×5.5 mm



## Features

- All metal welded half-size package
- Thru-hole DIP-8 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	6RH Series DIP-8(Half-size) VCXOs	
Output Type		CMOS	
Load condition		15pF, or specify	
Frequency Range		16MHz~50MHz	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 <sub>OL</sub> )		V <sub>CC</sub> ×0.1 max.	
1 Level Output Voltage (V <sub>OH</sub> )		V <sub>CC</sub> ×0.9 min.	
Rise Time / Fall Time		10ns max.	
OE Pin 0 Level Input Voltage (V <sub>IL</sub> )		0.3V <sub>CC</sub> max.	
OE Pin 1 Level Input Voltage (V <sub>IH</sub> )		0.7V <sub>CC</sub> 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]

