

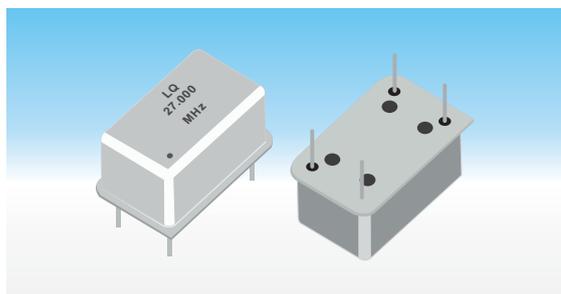
VCXOs / Voltage Controlled Crystal Oscillators

6RF Series Thru-hole Full-size VCXOs

1.25~220MHz

O: CMOS

Size: 20.4×12.8×6.0 mm



Features

- All metal welded 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 DIP-14(Full-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 _{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							
			<table border="1"> <thead> <tr> <th>Pin No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>V_{cont}</td> </tr> <tr> <td>#7</td> <td>GND</td> </tr> <tr> <td>#8</td> <td>Output</td> </tr> <tr> <td>#14</td> <td>V_{CC}</td> </tr> </tbody> </table>	Pin No.	Connection	#1	V _{cont}	#7	GND	#8
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1.4