

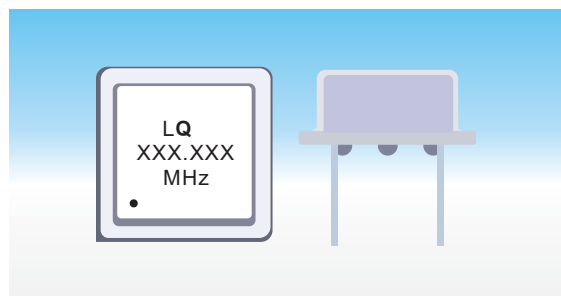
# Crystal Oscillators

6MH Series Full-Size Crystal Oscillators

0.25~180MHz

O: CMOS

Size:12.9×12.9×5.3 mm



## Features

- All metal welded half-size (DIP-8) package: 12.9×12.9×5.3mm
- 3-state function
- Supply voltage: 3.3V/5.0V
- Available frequency range: 0.25MHz~180MHz
- Low phase noise and jitter
- Application for test equipments, Electronic instruments, Telecommunications, Avionics, Smart grid, etc
- RoHS Compliant /Pb Free

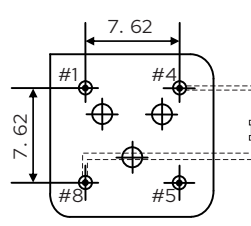
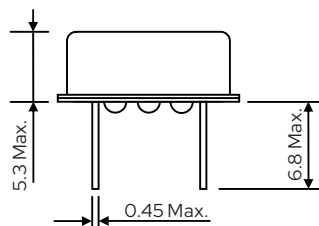
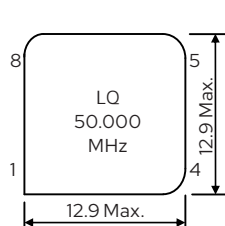


## Standard Specifications

Item	Type	6MH Series Full-size Crystal Oscillators
Output Type		CMOS
Load condition		15pF, or specify
Frequency Range		0.25MHz~180MHz
Supply Voltage		1.8V~3.3V / 5.0V
Frequency Stability (All Condition)		±20ppm, ±25ppm, ±30ppm, ±50ppm, or specify
Current Consumption		45mA max.
Stand-by Current		20µA max.
Symmetry		40~60%
0 Level Output Voltage (V <sub>OL</sub> )		0.1 V <sub>CC</sub> max.
1 Level Output Voltage (V <sub>OH</sub> )		0.9 V <sub>CC</sub> min.
Rise Time / Fall Time		5.0ns max.
OE Pin 0 Level Input Voltage (V <sub>IL</sub> )		0.2V <sub>CC</sub> max.
OE Pin 1 Level Input Voltage (V <sub>IH</sub> )		0.8V <sub>CC</sub> min.
Start-up Time		10ms max.
Operating Temperature Range		-20~+70C. -40~+85°C, -55~+85°C . -40~+105°C . -55~+125°C or specify
Storage Temperature Range		-55~+125°C
Phase Jitter (12KHz~20MHz)		1ps max.

## Dimensions

[mm]



### Pin Connections

Pin No.	Connection
#1	OE (Output Enable)
#4	GND
#5	Output
#8	Vcc

### Functions

#1 input	#5 output condition
H	Oscillation out
Open	Oscillation out
L	High Z