

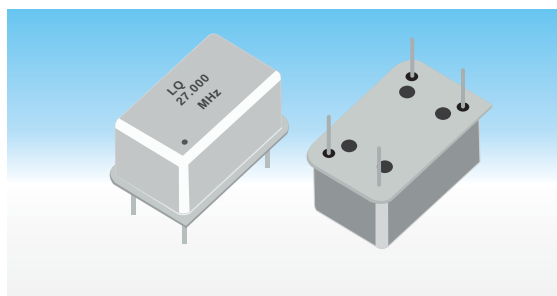
Crystal Oscillators

6MF Series Full-Size Crystal Oscillators

0.25~180MHz

O: CMOS

Size:20.4×13.1×5.3 mm



Features

- All metal welded full-size (DIP-14) package
- 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

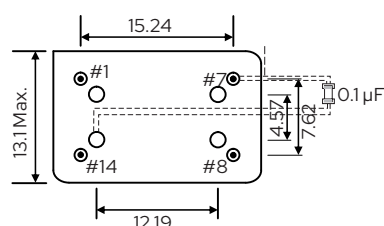
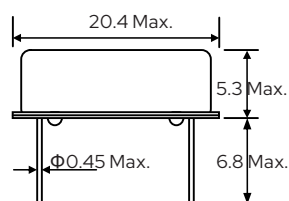
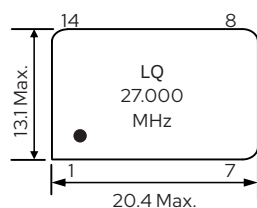


Standard Specifications

Item	Type	6MF 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 _{OL})		0.1 V _{cc} max.
1 Level Output Voltage (V _{OH})		0.9 V _{cc} min.
Rise Time / Fall Time		5.0ns max.
OE Pin 0 Level Input Voltage (V _{IL})		0.2V _{cc} max.
OE Pin 1 Level Input Voltage (V _{IH})		0.8V _{cc} min.
Start-up Time		10ms max.
Operating Temperature Range		-20~+70°C, -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

Recommended Land Pattern [mm]



Pin Connections	
Pin No.	Connection
#1	OE (Output Enable)
#7	GND
#8	Output
#14	Vcc

Functions	
#1 input	#8 output condition
H	Oscillation out
Open	Oscillation out
L	High Z