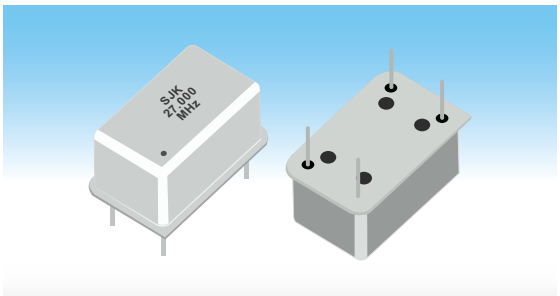
SPXO /Crystal Oscillator

6MF Series DIP-14 Crystal Oscillator | 0.25~180MHz | O: CMOS | Size: 20.4×12.9×5.3mm



Features

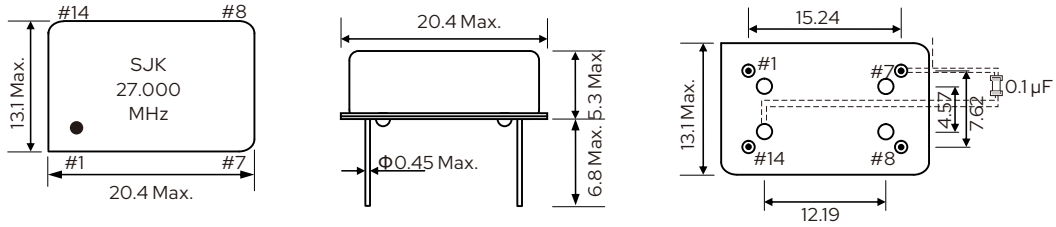
- All metal welded full-size (DIP-14) package
- 3-state function
- Supply voltage: 3.3V /5.0V
- Available frequency range: 0.25MHz~180MHz
- Low phase noise and jitter
- Application for test equipments, Electronic instruments, Telecommunications, Avionics, Smart grid, etc
- RoHS Compliant /Pb Free

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 Vcc max.
1 Level Output Voltage (V_{OH})	0.9 Vcc min.
Rise Time / Fall Time	5.0ns max.
OE Pin 0 Level Input Voltage (V_{IL})	0.2Vcc max.
OE Pin 1 Level Input Voltage (V_{IH})	0.8Vcc min.
Start-up Time	10ms max.
Operating Temperature Range	-20~+70°C, -40~+85°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)
#7	GND
#8	Output
#14	Vcc

Functions

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