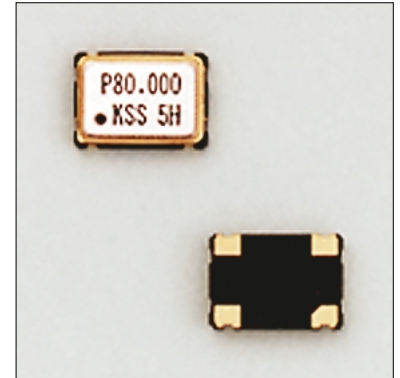


# FXO-37F

## Miniature Clock Crystal Oscillator

### Features

- It is a compact and thin ceramic package with a metalized lead for surface mounting that is able to be automatically loaded.
- Reflow soldering is possible.
- CMOS, TTL IC direct drive is possible. Depending upon the frequency band, there is also a crystal oscillator with a CMOS IC with a tri-state function built in.
- Use in the broad frequency band from 50MHz to 125MHz is possible. (PLL circuit is built in).



### Specifications

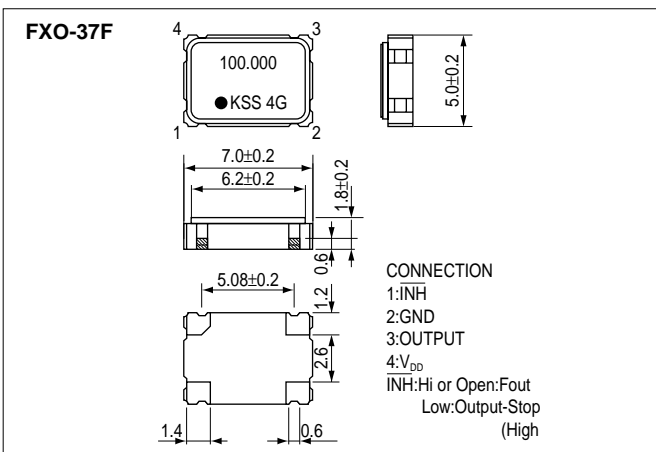
Item	Type	FXO-37F		FXO-37FL
		C-MOS Output		Low Voltage Type
Application		C-MOS Output		Low Voltage Type
Frequency Range		50~100MHz	100~125MHz	50~100MHz
Standard Frequency		Table 1		
Frequency Stability		$\pm 100 \times 10^{-6}$		
Operating Temperature Range		0 ~ +70°C		
Storage Temperature Range		-20 ~ +80°C		
Supply Voltage		5±0.25V		3.3±0.15V
Current		50mA MAX.		25mA MAX.
Load		25pF(10TTL)	15pF(5TTL)	15pF(5TTL)
Output Level		V <sub>OH</sub> : 4.0V MIN./V <sub>OL</sub> : 0.5V MAX.		V <sub>OH</sub> : 2.8V MIN. V <sub>OL</sub> : 0.5V MAX.
Output Symmetry		40~60% (VT=1/2V <sub>DD</sub> )		
Rise Time/Fall Time		7ns MAX.		
Start-up Time		10ms MAX.		15ms MAX.
Vibration		10~55Hz Amplitude 1.5mm, Cycle 2 minute, 3 direction, 2 hour each		
Shock		1000G		
Weight		0.2g		

Table 1  
Standard Frequencies

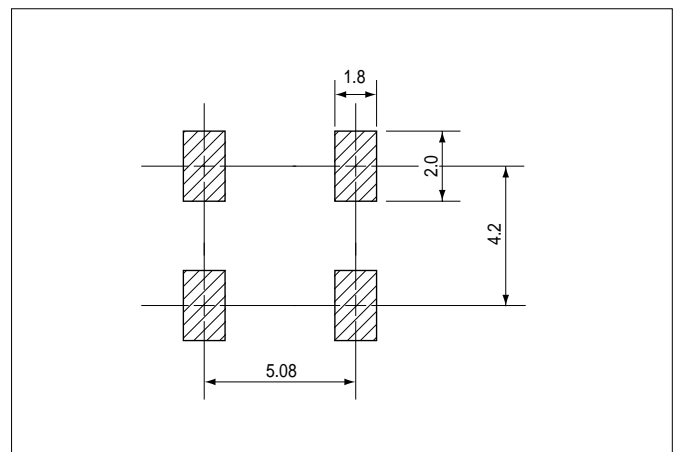
Frequency (MHz)
50.000
60.000
64.000
65.000
66.667
67.700
70.000
75.000
75.525
80.000
90.3168
94.410
100.000
106.250
120.000

\*Taping item packaging : one unit 3,000 pcs or 1,000 pcs

### Outline



### Land Pattern(reference)



Dimensions(mm)