



Clock Crystal Oscillators

Surface Mount Type

FXO-37F



Features

- Surface mount type suitable for auto pick-and-place.
- Reflow compatible.
- CMOS, TTL IC direct drive is possible.
- With tri-state function.
- Broad frequency range from 50MHz to 125MHz. (PLL circuit is built in).
- Lead free

Applications

- Digital electronics
- Audio Visual
- Factory automation
- Amusement

Specifications

Item	Type	FXO-37F		FXO-37FL
Application		C-MOS Output		Low Voltage Type
Frequency Range		50~100MHz	100~125MHz	50~100MHz
Standard Frequency		Table 1		
Frequency Stability		$\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$		
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_{OH} : 4.0V MIN./ V_{OL} : 0.5V MAX.		V_{OH} : 2.8V MIN. V_{OL} : 0.5V MAX.
Output Symmetry		40~60%($V_T=1/2V_{DD}$)		
Rise Time/Fall Time		7ns MAX.		
Start-up Time		10ms MAX.		15ms MAX.
Vibration		10~55Hz Ampulitude 1.5mm, Cycle 2 minute, 3 direction, 2 hour each		
Shock		1000G		
Weight		0.2g		

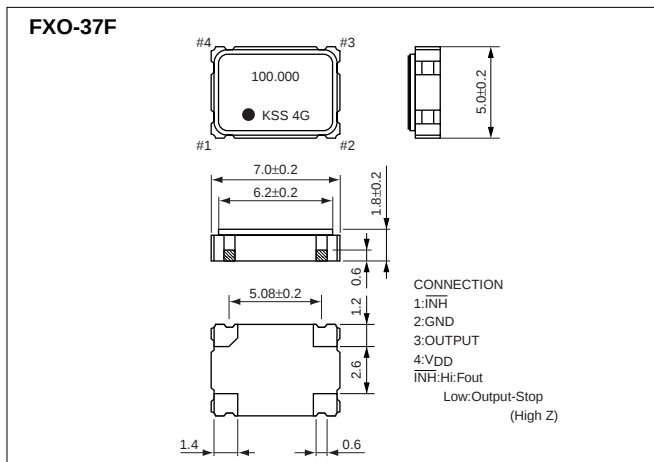
* Taping packing : one unit 3,000 pcs or 1,000 pcs

Table1
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

Dimensions

(Unit : mm)



Recommended Land Pattern

(Unit : mm)

