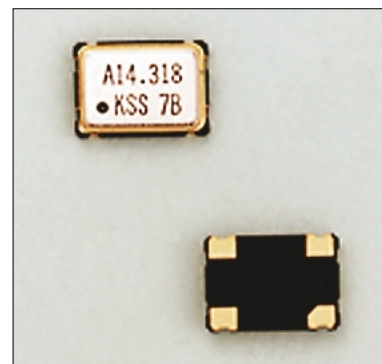


FXO-32F

Miniature Clock Crystal Oscillator

■Features

- Ideal for use as an image sensor clock for compact video cameras.
- Lower noise and lower current for reduced power consumption.
- This crystal oscillator has a built-in C-MOS IC with tri-state function.



■Specifications

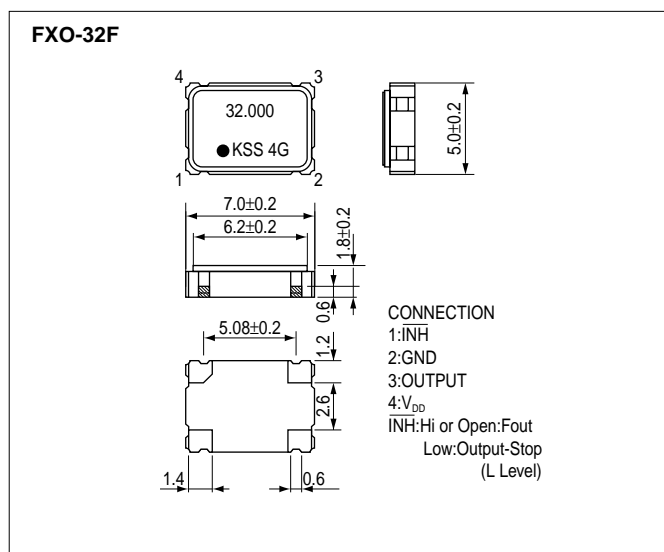
| Item | Type | FXO-32F | FXO-32FL |
|-----------------------------|------|--|----------------|
| Frequency Range | | 8.0~32.0MHz | |
| Standard Frequency | | 14.31818, 17.734476, 28.375, 28.63636MHz *1 | |
| Frequency Stability | | $\pm 30 \times 10^{-6}$ | |
| Operating Temperature Range | | -10~+60°C | |
| Storage Temperature Range | | -20~+80°C | |
| Supply Voltage | | 5V \pm 5% | 3V \pm 5% *2 |
| Current | | 12mA MAX. | 8mA MAX. |
| Load | | 15pF (2TTL) | 15pF (1TTL) |
| Output Level | | $V_{OH} : 0.9 \times V_{DD}$ MIN. $V_{OL} : 0.5V$ MAX. | |
| Output Symmetry | | 40~60% ($V_T = 1/2 V_{DD}$) | |
| Rise Time/Fall Time | | 12ns MAX. | 16ns MAX. |
| Start-up Time | | 3ms MAX. | |
| Vibration | | 10~55Hz Ampulitude 1.5mm, Cycle 2 minute, 3 direction, 2 hour each | |
| Shock | | 1000G | |
| Weight | | 0.2g | |
| Application | | for Audio-Visual Equipment | |

*1 Please inquire about frequencies other than the above.

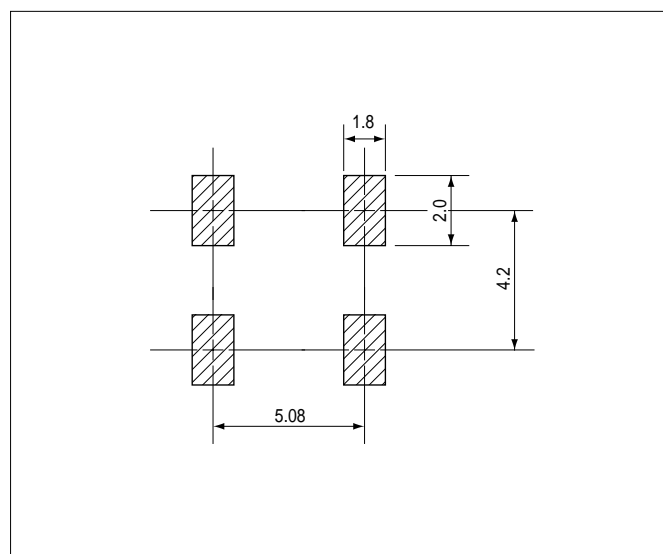
*2 3.3V supply model also available.

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

■Outline



■Land Pattern(reference)



Dimensions(mm)