

SMD Clock Oscillator CXO 3.2x2.5x1.0

XP-21 & XP-41 & XP-71



| FEATURES |
|--|
| 14 to 100 KHz CMOS Low current consumption Tri state fonction |
| APPLICATIONS |
| Microprocessor Clocks Timing application |

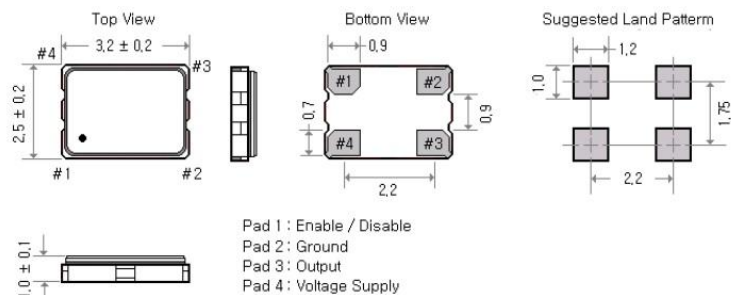
Electrical Parameters

| Parameters | Conditions | XP-21 | XP-41 | XP-71 |
|-----------------------------|------------------|---|------------|------------|
| Frequency Range | | 14 to 100 KHz Popular frequency 32.768KHz | | |
| Frequency Stability* | All Conditions* | ±25 ppm, ±30 ppm, ±50 ppm, ±100 ppm | | |
| Storage Temperature Range | | -55°C ~ 125°C | | |
| Operating Temperature Range | | -10 ~ +70°C, -20 ~ +70°C, -45 ~ +85°C | | |
| Power Supply Voltage | | +3.3V ± 5% | +2.5V ± 5% | +1.8V ± 5% |
| Supply Current | | 100 µA Max | 90 µA Max | 80 µA Max |
| Output Symmetry | At ½ VDD | 45/55% | | |
| Rise Time/Fall Time | 10% ↔ 90% of VDD | 10 nS Max | | |
| Output Voltage | | 90% VDD Min 10% VDD Max | | |
| Output Load CMOS | | 15 pF Max | | |
| Start-up Time | | 5 mS Max | | |
| Ageing (First Year) | 25°C ± 3°C | ± 3 ppm Max | | |

| Temperature Range | Code | Stability* | Code | Internal Code | Internal Code | Option | Code |
|-------------------|------|------------|------|---------------|---------------|--------|------|
| -10 + 70°C | D | ± 25 ppm | D | 0 | 0 | | |
| - 20 + 70°C | E | ± 30 ppm | Y | | | | |
| - 40 + 85°C | H | ± 50 ppm | C | | | | |
| | | ± 100 ppm | A | | | | |

*Includes: 25°C calibration, operating temperature range, input voltage and load changes, ageing, shocks and vibrations (first year)
Example: XP-21HD00 32.768KHz

Mechanical Dimensions (mm)



SMD CXO

| | | | | | | | |
|------|---------------------|----------|----|---------|----|------|------------|
| TYPE | XP-21& XP-41& XP-71 | REVISION | 01 | CHECKED | PB | DATE | 02/12/2015 |
|------|---------------------|----------|----|---------|----|------|------------|

All specifications are subject to change without notice