

SMD Clock Oscillator CXO 7.0x5.0x1.4

XA-21 & XA-41 & XA-71



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

Electrical Parameters

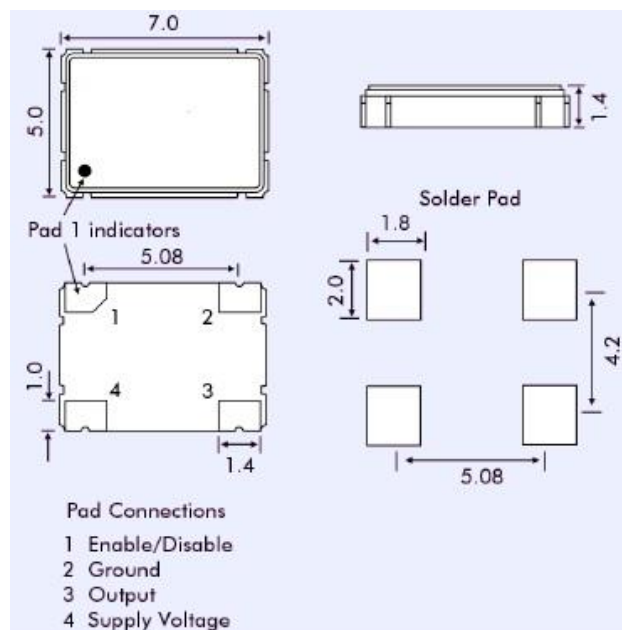
Parameters	Conditions	XA-21	XA-41	XA-71
Frequency Range		10 to 100 KHz Popular frequency 32.768KHz		
Frequency Stability*	All Conditions*	±20 ppm, ±25 ppm, ±50 ppm, ±100 ppm		
Storage Temperature Range		-55°C ~ 125°C		
Operating Temperature Range		-10 ~ +70°C, -20 ~ +70°C, -45 ~ +85°C		
Power Supply 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	± 20 ppm	E	0	0		
- 20 + 70°C	E	± 25 ppm	D				
- 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: XA-71HE00 32.768KHz

Mechanical Dimensions (mm)



SMD CXO

TYPE	XA-21& XA-41& XA-71	REVISION	02	CHECKED	PB	DATE	20/05/2015
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All specifications are subject to change without notice