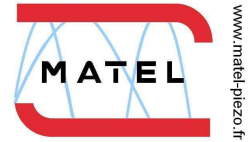


# SMD Clock Oscillator CXO 5.0x3.2x1.2

## XB-21 & XB-41 & XB-71



FEATURES
12 to 100 KHz LVCMOS Low current consumption Tri state fonction
APPLICATIONS
Microprocessor Clocks Timing application

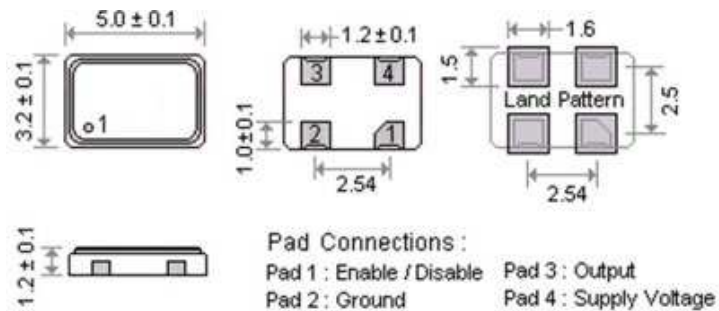
### Electrical Parameters

Parameters	Conditions	XB-21	XB-41	XB-71
Frequency Range		12 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 ± 10%	+2.5V ± 10%	+1.8V ± 10%
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: XB-21HY00 32.768KHz

### Mechanical Dimensions (mm)



SMD CXO

TYPE	XB-21& XB-41& XB-71	REVISION	02	CHECKED	PB	DATE	09/12/2016
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All specifications are subject to change without notice