

Clock Oscillators Surface Mount Type

KC7050B Series (FXO-37FNB)



CMOS/ 5.0V/ 7.0×5.0mm



RoHS Compliant

“Designated for MFP3N, Communication LSI for CC-Link Remote Device”

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 80MHz (PLL circuit is built in)
- Supply voltage $V_{CC}=5.0V$ available

Frequency Tolerance (Overall)

Freq. Tol. Code	$\times 10^{-6}$	Operating Temperature Range (°C)	Note
Z	±50	-10 to +85	80MHz

How to Order

KC7050B 80.0000 C 5 Z B QZ
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage 5=5.0V
- ⑤ Frequency Tolerance (See Table at Left)
- ⑥ Symmetry/ INH Function (40/ 60%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is “QZ”)

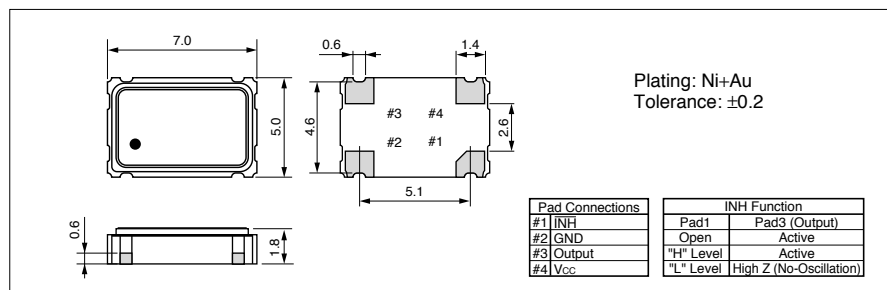
Specifications

Item	Symbol	Conditions	Specifications		Units
			Min.	Max.	
Output Frequency Range	f_o		80		MHz
Frequency Tolerance (Overall)	f_{tol}		-50	+50	$\times 10^{-6}$
Storage Temperature Range	T_{stg}		-20	+85	°C
Operating Temperature Range	T_{use}		-10	+85	°C
Max. Supply Voltage	—		—	+6	V
Supply Voltage	V_{CC}	5.0V Typ.	+4.75	+5.25	V
Current Consumption	I_{CC}		—	50	mA
Stand-by Current	I_{std}		—	40	μA
Symmetry	SYM	@50% V_{CC}	40	60	%
Rise/ Fall Time	t_r/ t_f		—	5	ns
Low Level Output Voltage	V_{OL}		—	10% V_{CC}	V
High Level Output Voltage	V_{OH}	@5.0 V	90% V_{CC}	—	V
CMOS Load	L_{CMOS}		—	15	pF
Input Voltage Range	V_{IN}		V_{SS}	V_{CC}	V
Low Level Input Voltage	V_{IL}		—	0.8	V
High Level Input Voltage	V_{IH}		2.2	—	V
Disable Time	t_{dis}		—	100	ns
Enable Time	t_{ena}		—	100	μs
Start-up Time	t_{str}		—	10	ms

Note: All electrical characteristics are defined at the maximum load and operating temperature range.
Please contact us for inquiry about operating temperature range, available frequencies and other conditions.

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

