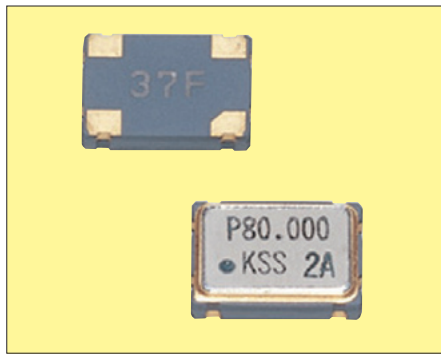


Clock Crystal Oscillators Surface Mount Type KC7050B Series (FXO-37FN Series)



CMOS/ 3.3V/ 5.5V/ 7.0×5.0mm



Pb Free

RoHS Compliant

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 from 80MHz to 125MHz, (PLL circuit is built in)
- Supply voltage V_{CC} =3.3/ 5.0V available

Frequency Tolerance (Overall)

Freq. Tol. Code	$\times 10^{-6}$	Operating Temperature Range (°C)	Note
1	± 100	-10 to +70	80 to 125MHz
0	± 50	(Standard)	

How to Order

KC7050B 80.0000 C 3 0 B 00
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage 5=5.0V, 3=3.3V
- ⑤ Frequency Tolerance (See Table at Left)
- ⑥ Symmetry/ Enable Function (40/ 60%, INH)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

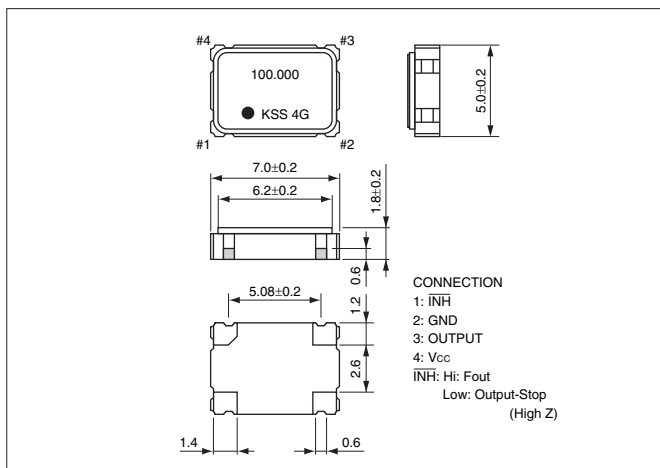
Specifications

Item	Symbol	Conditions	Specifications		Units
			Min.	Max.	
Output Frequency Range	Fo		80	125	MHz
Frequency Tolerance (Overall)	F _{tol}		-50	+50	$\times 10^{-6}$
			-100	+100	
Storage Temperature Range	T _{stg}		-20	+80	°C
Operating Temperature Range	T _{use}		-10	+70	°C
Max. Supply Voltage	—		—	6	V
Supply Voltage	V _{CC}	3.3V Type	3.135	3.465	V
		5.5V Type	4.75	5.25	
Current Consumption	I _{CC}		—	50	mA
Stand-by Current	I _{std}		—	60	μ A
Symmetry	SYM	@50% V _{CC}	40	60	%
Rise/ Fall Time	tr/ tf		—	7	nS
Low Level Output Voltage	V _{OL}		—	10% V _{CC}	V
High Level Output Voltage	V _{OH}		90% V _{CC}	—	V
Output Load	CL		—	15	pF
Input Voltage Range	V _{IN}		V _{SS}	V _{CC}	V
Low Level Input Voltage	V _{IL}		—	30% V _{CC}	V
High Level Input Voltage	V _{IH}		70% V _{CC}	—	V
Disable Time	t _{dis}		—	1	mS
Enable Time	t _{ena}		—	3	mS
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 inquiries about operating temperature range, available frequencies and other conditions.

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

