

**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  $V_{DD}$ =3.3/5.0V available

### Frequency Tolerance (Overall)

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

### How to Order

**KC7050B 80.0000 C 3 0 A 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")

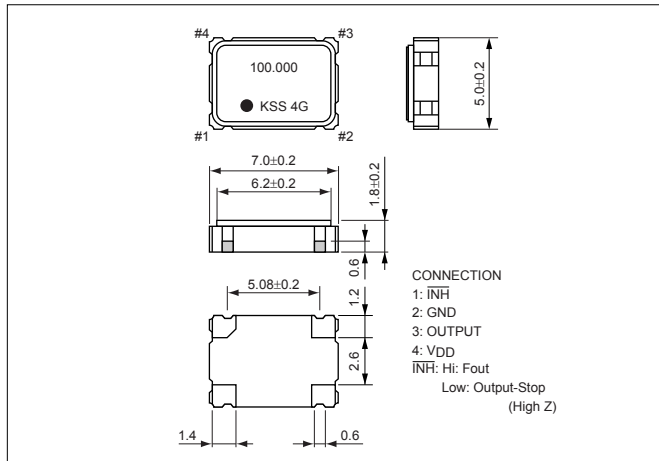
### Specifications

Items	Symbol	Conditions	Specifications		Units
			Min.	Max.	
Output Frequency Range	$F_0$		80	125	MHz
Frequency Tolerance (Overall)	$F_{tol}$		-50 -100	+50 +100	$\times 10^{-6}$
Storage Temperature, Range	$T_{stg}$		-20	+80	°C
Operating Temperature, Range	$T_{use}$		0	+70	°C
Max. Supply Voltage	-		-	6	V
Supply Voltage	$V_{DD}$	3.3V Type	3.135	3.465	V
		5.5V Type	4.75	5.25	
Current Consumption	$I_{DD}$		-	70	mA
Stand-by Current	$I_{std}$		-	60	$\mu$ A
Symmetry	SYM	@50% $V_{DD}$	40	60	%
Rise / Fall Time	$T_r/T_f$		-	7	nS
Output Voltage-"L"	$V_{OL}$		-	10% $V_{DD}$	V
Output Voltage-"H"	$V_{OH}$	@3.3V	2.8	-	V
		@5.0V	4	-	
Output Load	CL		-	15	pF
Input Voltage Range	$V_{IN}$		$V_{SS}$	$V_{DD}$	V
Input Voltage-"L"	$V_{IL}$		-	30% $V_{DD}$	V
Input Voltage-"H"	$V_{IH}$		70% $V_{DD}$	-	V
Disable Time	-		-	1	mS
Enable Time	-		-	3	mS
Start-up Time	ST		-	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)

