

Pb Free

RoHS Compliant

Features

- Surface mount type suitable for auto pick-and-place
- Reflow soldering compatible
- CMOS, TTL IC direct drive is possible
- With tri-state function
- Broad frequency range from 1.8MHz to 50MHz
- Supply voltage $V_{DD}=3.3/5.0V$ available

Frequency Tolerance (Overall)

Freq.Tol. Code	$\times 10^{-6}$	Operating Temperature Range(°C)	Notes
1	± 100	-10 to +70	1.8 to 50MHz
0	± 50	(standard)	
S	± 30		

How to Order

KC7050B 25.0000 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")

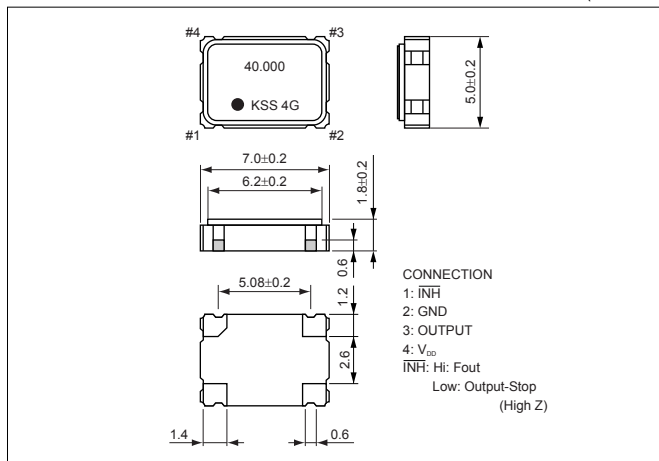
Specifications

Items	Symbol	Specifications		Units
		KC7050Bxx.xxxxC5xA00 (FXO-31FH)	KC7050Bxx.xxxxC3xA00 (FXO-31FL)	
Output Frequency Range	F_0	1.8 to 50		MHz
Frequency Tolerance (Overall)	F_{tol}	± 30		$\times 10^{-6}$
		± 50		
		± 100		
Storage Temperature, Range	T_{stg}	-40 to +85		°C
Operating Temperature, Range	T_{use}	-10 to +70		°C
Max. Supply Voltage	—	7 Max.		V
Supply Voltage	V_{DD}	5 \pm 0.5	3.3 \pm 0.3	V
Current Consumption	I_{DD}	25 Max. (1.8 to 15MHz)	18 Max. (1.8 to 39.9MHz)	mA
		30 Max. (15.1 to 32MHz)		
		45 Max. (32.1 to 50MHz)	25 Max. (40 to 50MHz)	
Stand-by Current	I_{std}	10 Max.		μ A
Symmetry	SYM	40 to 60@50% V_{DD}		%
Rise / Fall Time	T_r/T_f	10 Max.		nS
Output Voltage-"L"	V_{OL}	10% V_{DD} Max.		V
Output Voltage-"H"	V_{OH}	90% V_{DD} Min.		V
Output Load	CL	50 Max.	20 Max.	pF
Input Voltage Range	V_{IN}	0 to V_{DD}	0 to V_{DD}	V
Input Voltage-"L"	V_{IL}	0.8 Max.	0.3 Max.	V
Input Voltage-"H"	V_{IH}	2.2 Min.	2.2 Min.	V
Disable Time	—	150 Max.		nS
Enable Time	—	5 Max.		mS
Start-up Time	ST	10 Max.		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)

