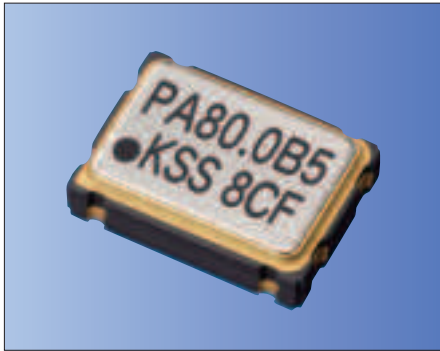




CMOS/ 5.0V/ 7.0×5.0mm



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 80MHz (PLL circuit is built in)
- Supply voltage Vcc = 5.0V available

How to Order

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

- ① Series
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage 5 = 5.0V
- ⑤ Frequency Tolerance (See Table 3)
- ⑥ Symmetry/ INH Function (40/ 60%, Stand-by)
- ⑦ Individual Specification (STD Specification is "QZ")

Table 3

Freq. Tol. Code	× 10 ⁻⁶	Operating Temperature Range (°C)	Note
Z	± 50	-10 to +85	80MHz

"Designated for MFP3N, Communication LSI for CC-Link Remote Device"

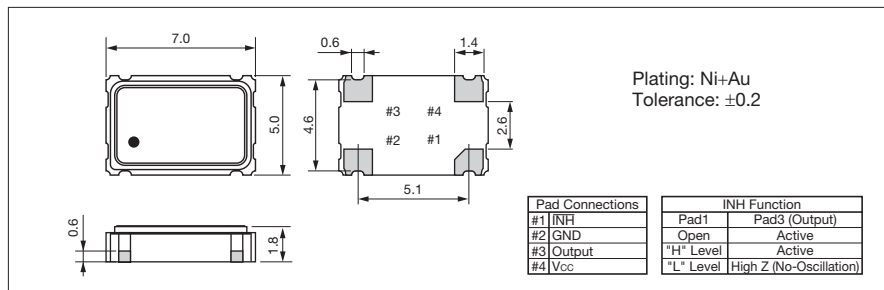
Specifications

Item	Symbol	Conditions	Specifications		Units
			Min.	Max.	
Output Frequency Range	f _o		80		MHz
Frequency Tolerance (Overall)	f _{tol}		-50	+50	×10 ⁻⁶
Storage Temperature Range	T _{stg}		-20	+85	°C
Operating Temperature Range	T _{use}		-10	+85	°C
Max. Supply Voltage	—		-0.5	+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	tr/ tf		—	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}	CMOS Output	—	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)

