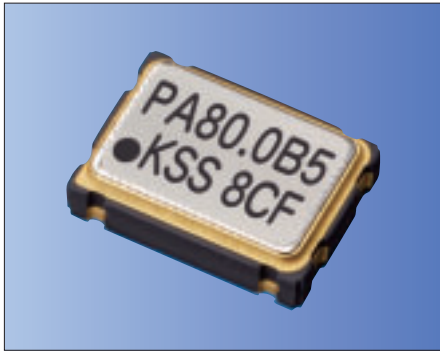




CMOS/ 5.0V/ 7.0×5.0mm



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 <sup>-6</sup>	Operating Temperature Range (°C)	Note
Z	± 50	-10 to +85	80MHz

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

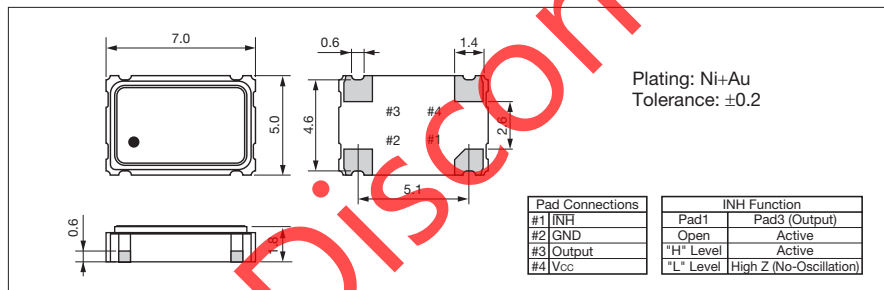
**Specifications**

Item	Symbol	Conditions	Specifications		Units
			Min.	Max.	
Output Frequency Range	f <sub>o</sub>		80		MHz
Frequency Tolerance (Overall)	f <sub>tol</sub>		-50	+50	×10 <sup>-6</sup>
Storage Temperature Range	T <sub>stg</sub>		-20	+85	°C
Operating Temperature Range	T <sub>use</sub>		-10	+85	°C
Max. Supply Voltage	—		-0.5	+6	V
Supply Voltage	V <sub>CC</sub>	5.0V Typ.	+4.75	+5.25	V
Current Consumption	I <sub>CC</sub>		—	50	mA
Stand-by Current	I <sub>std</sub>		—	40	μA
Symmetry	SYM	@50% V <sub>CC</sub>	40	60	%
Rise/ Fall Time	tr/ tf		—	5	ns
Low Level Output Voltage	V <sub>OL</sub>		—	10% V <sub>CC</sub>	V
High Level Output Voltage	V <sub>OH</sub>	@5.0 V	90% V <sub>CC</sub>	—	V
CMOS Load	L <sub>CMOS</sub>	CMOS Output	—	15	pF
Input Voltage Range	V <sub>IN</sub>		V <sub>SS</sub>	V <sub>CC</sub>	V
Low Level Input Voltage	V <sub>IL</sub>		—	0.8	V
High Level Input Voltage	V <sub>IH</sub>		2.2	—	V
Disable Time	t <sub>dis</sub>		—	100	ns
Enable Time	t <sub>ena</sub>		—	100	μs
Start-up Time	t <sub>str</sub>		—	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)

