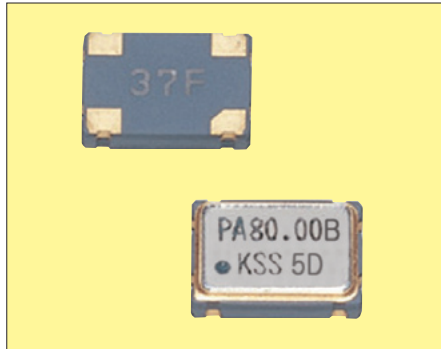


Clock Crystal Oscillators Surface Mount Type KC7050B Series (FXO-37FA)



CMOS/ 5.0V/ 7.0×5.0mm



Pb Free

RoHS Compliant

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

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 $V_{cc}=5.0V$ available

Frequency Tolerance (Overall)

Freq. Tol. Code	$\times 10^{-6}$	Operating Temperature Range (°C)	Note
Z	± 50	-10 to +85	80MHz

How to Order

KC7050B 80.0000 C 5 Z B Q1
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage 5=5.0V
- ⑤ Frequency Tolerance (See Table at Left)
- ⑥ Symmetry/ Enable Function (40/ 60%, INH)
- ⑦ Customer Special Model Suffix (STD Specification is "Q1")

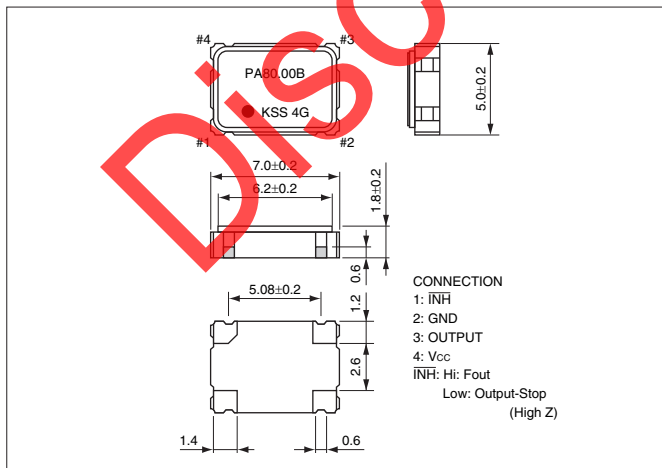
Specifications

Item	Symbol	Conditions	Specifications		Units
			Min.	Max.	
Output Frequency Range	F _o		80		MHz
Frequency Tolerance (Overall)	F _{tol}		-50	+50	$\times 10^{-6}$
Storage Temperature Range	T _{stg}		-20	+85	°C
Operating Temperature Range	T _{use}		-10	+85	°C
Max. Supply Voltage	—		—	6	V
Supply Voltage	V _{cc}	5.5V Type	4.75	5.25	V
Current Consumption	I _{cc}		—	50	mA
Stand-by Current	I _{std}		—	20	μ A
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
Output Load	CL		—	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	μ S
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)

