

Pb Free

RoHS Compliant

Features

- This crystal oscillator has a built-in high-precision CMOS IC suitable for a wide range of temperature
- Lower noise and lower current for reduced power consumption
- Supply voltage V_{DD} =3.3/5.0V available

Frequency Tolerance (Overall)

Freq.Tol. Code	×10 ⁻⁶	Operating Temperature Range (°C)	Notes
P	± 100	-30 to +85 (Standard)	1.8 to 40MHz
Q	± 50		
R	± 30		

How to Order

KC7050B 25.0000 C 3 Q 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")

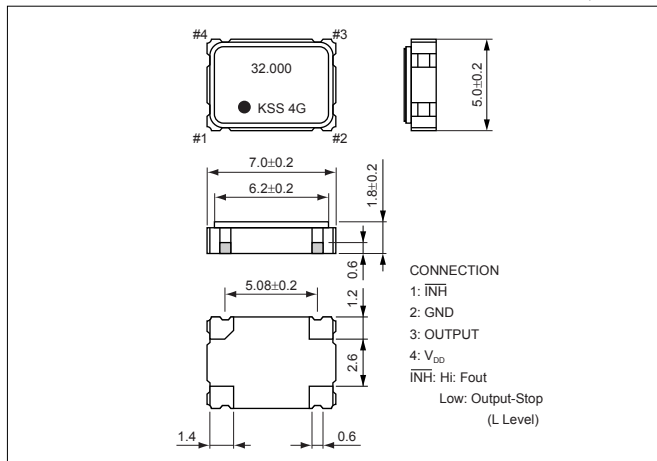
Specifications

Items	Symbol	Specifications		Units
		KC7050Bxx.xxxxC5xA00 (FXO-34F)	KC7050Bxx.xxxxC3xA00 (FXO-34FL)	
Output Frequency Range	F ₀	1.8 to 40		MHz
Frequency Tolerance (Overall)	F _{tol}	±30		×10 ⁻⁶
		±50		
		±100		
Storage Temperature, Range	T _{stg}	-40 to +85		°C
Operating Temperature, Range	T _{use}	-30 to +85		°C
Max. Supply Voltage	-	7 Max.		V
Supply Voltage	V _{DD}	5±5%	3.3±5%	V
Current Consumption	I _{DD}	12 Max.	10 Max.	mA
Stand-by Current	I _{std}	8 Max.		µA
Symmetry	SYM	40 to 60@50%V _{DD}		%
Rise / Fall Time	Tr/Tf	12 Max.	16 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	15 Max.		pF
Input Voltage Range	V _{IN}	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)

