



Pb Free

RoHS Compliant

Features

- A built-in high-precision CMOS IC suitable for a wide range of temperature
- Ideal for base stations and DSC, DVC, car navigation and PHS systems etc.
- Lower noise and lower current for reduced power consumption
- Supply voltage $V_{DD}=3.3/5.0V$ available

Frequency Tolerance (Overall)

Freq.Tol. Code	$\times 10^{-6}$	Operating Temperature Range(°C)	Notes
P	± 100	-30 to +85 (Standard)	1.8 to 40MHz
Q	± 50		
R	± 30		

How to Order

KC5032D 15.3600 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
- ⑥ Symmetry/Enable Function (40/60%, INH)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

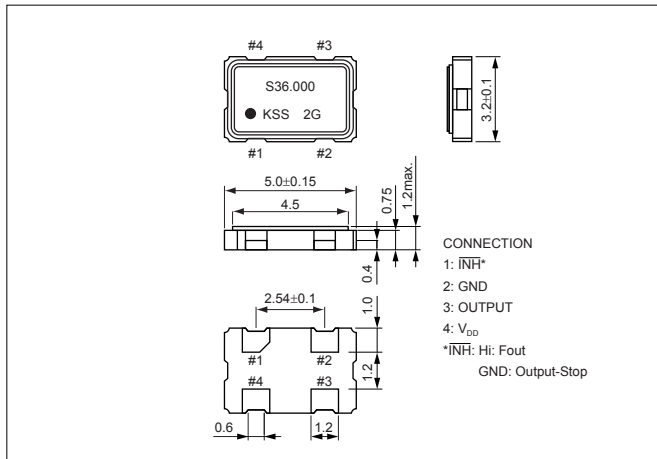
Specifications

Items	Symbol	Specifications		Units
		KC5032Dxx.xxxxC5xA00 (FXO-64F2)	KC5032Dxx.xxxxC3xA00 (FXO-64FL2)	
Output Frequency Range	F_0	1.8 to 40		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}	-30 to +85		°C
Max. Supply Voltage	-	7 Max.		V
Supply Voltage	V_{DD}	5 \pm 5%	3.3 \pm 5%	V
Current Consumption	I_{DD}	12 Max.	10 Max.	mA
Stand-by Current	I_{std}	8 Max.		μ A
Symmetry	SYM	40 to 60@50% V_{DD}		%
Rise / Fall Time	T_r/T_f	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}	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)

