

Pb Free

RoHS Compliant

Features

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output CL=50pF max available
- Supply voltage V_{DD} =3.3V

Table 1

Freq. Tol. Code	Freq. Tol. × 10 ⁻⁶	Operating Temperature Range (°C)	Note
0	± 50	-10 to +70	Standard specifications
S	± 30		With only certain frequencies

How to Order

KC5032C 25.0000 C 3 0 E HL
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (5.0x3.2mm SMD)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (3.3V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/Enable Function (45/55%, Stand-by)
- ⑦ Heavy Load Type
HL : CL =50pF max.

Packaging (Tape & Reel 1000pcs./reel)

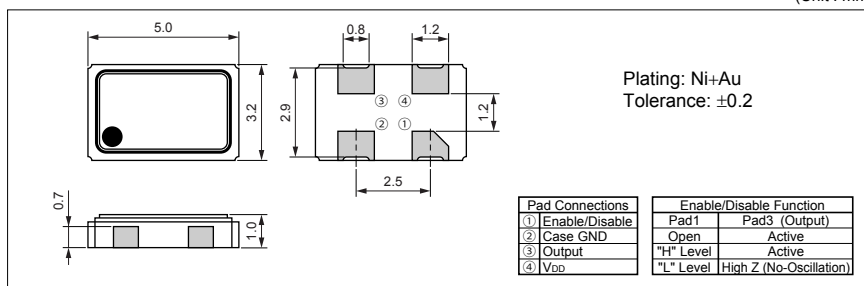
Specifications

Item	Symbol	Conditions	Min.	Max.	Units	
Output Frequency Range	F _o		14	30	MHz	
Frequency Tolerance	F _{tol}	Initial tolerance, Operating temperature range, Rated power supply voltage change, Load change, Aging (1year @25°C), Shock and vibration	-50 -30	+50 +30	×10 ⁻⁶	
Storage Temperature Range	T _{stg}		-55	+125	°C	
Operating Temperature Range	T _{use}		-10	+70	°C	
Max. Supply Voltage	—		-0.5	+7.0	V	
Supply Voltage	V _{DD}	Freq. Tol.Code: 0, S	2.97	3.63	V	
Current Consumption (Maximum Loaded)	I _{DD}	CL=15pF CL=50pF	— —	10 15	mA	
Stand-by Current	I _{std}		—	10	μA	
Symmetry	SYM	@50% V _{DD}	CL=15pF	45	55	%
			CL=50pF	40	60	
Rise/ Fall Time (10% V _{DD} to 90% V _{DD} Maximum Loaded)	T _r /T _f	CL=15pF	—	5	nS	
		CL=50pF	—	8		
Output Voltage-"L"	V _{OL}	I _{OL} =8mA	—	10% V _{DD}	V	
Output Voltage-"H"	V _{OH}	I _{OH} =-8mA	90% V _{DD}	—	V	
Output Load	L _{CMOS}	CMOS Output	—	50	pF	
Input Voltage Range	V _{IN}		0	V _{DD}	V	
Input Voltage-"L"	V _{IL}		—	30% V _{DD}	V	
Input Voltage-"H"	V _{IH}		70% V _{DD}	—	V	
Disable Time	—		—	150	nS	
Enable Time	—		—	5	mS	
Start-up Time	ST	@ Minimum operation voltage to be 0 sec.	—	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)

