



Pb Free

RoHS Compliant

Features

- Miniature ceramic package
- Highly reliable with seam welding
- CMOS output
- Supply voltage $V_{CC}=3.3V$
- Low jitter

Table 1

Freq. Tol. Code	$\times 10^{-6}$	Operating Temperature Range (°C)	Note
0	± 50	-10 to +70	Standard specifications With only certain frequencies
S	± 30		
G	± 50		

How to Order

KV5032C 74.1758 C 3 0 F 00
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (5.0×3.2mm SMD VCXO)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (3.3V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry (45/ 55%)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 1000 pcs./ reel)

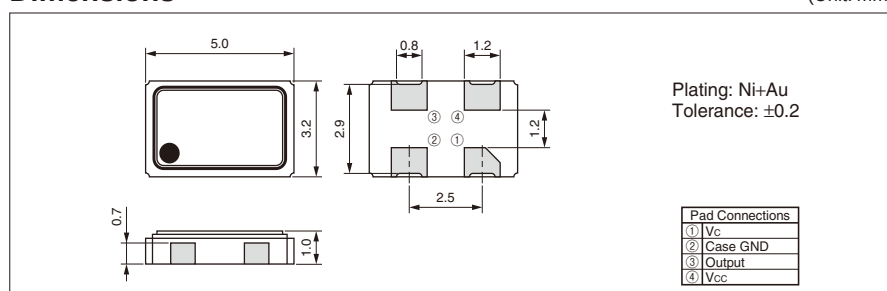
Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	f_o		1.5	80	MHz
Frequency Tolerance	f_{tol}	Initial tolerance, Operating temperature range, Rated power supply voltage change, Load change, Aging (1 year @25°C), Shock and vibration	-50	+50	$\times 10^{-6}$
		Op. Temp.: -10 to +70°C/ -40 to +85°C	-30	+30	
Absolute Pull Range	APR	$1.5 \leq f_o \leq 30$ $30 < f_o \leq 80$	± 100 ± 50	—	$\times 10^{-6}$
Control Voltage	V_C		0	3.3	V
Storage Temperature Range	T_{stg}		-55	+90	°C
Operating Temperature Range	T_{use}	Standard Specifications Extend (Option)	-10 -40	+70 +85	°C
Max. Supply Voltage	—		-0.5	+7	V
Supply Voltage	V_{CC}		2.97	3.63	V
Current Consumption	I_{CC}		—	15	mA
Symmetry	SYM	@50% V_{CC}	45	55	%
Rise/ Fall Time (10% V_{CC} to 90% V_{CC})	t_r / t_f	$1.5 \leq f_o \leq 30$ $30 < f_o \leq 80$	—	8 5	nS
Low Level Output Voltage	V_{OL}		—	10% V_{CC}	V
High Level Output Voltage	V_{OH}		90% V_{CC}	—	V
CMOS Load	L CMOS		—	15	pF
Input Resistance	—	Standard Specifications Extend (Option)	100k 5M	—	ohm
Start-up Time	t_{str}	@Minimum operating voltage to be 0 sec.	—	10	mS
Phase Jitter	JPhase	12kHz to 20MHz @27MHz	—	1	pS
Phase Noise @27.0000MHz	—	- 70 (@10Hz offset) -100 (@100Hz offset) -130 (@1kHz offset) -145 (@10kHz offset) -152 (@100kHz offset) -158 (@1MHz offset) -158 (@10MHz offset)			dBc/ Hz

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)

