

Ph Free

RoHS Compliant

Features

- Low Jitter
- Differential LV-PECL outputs
- Wide pull range $APR \pm 100 \times 10^{-6}$
- Operation at high frequency fundamental mode

Table 1

Code	APR	Operating Temperature Range (°C)	Note
	$\times 10^{-6}$		
1	± 100	-40 to +85	Standard specifications

How to Order

KV7050S 622.080 P 3 1 E 00
① ② ③④⑤⑥ ⑦

- ① Type (7.0×5.0mm SMD)
- ② Output Frequency
- ③ Output Type (PECL)
- ④ Supply Voltage (3.3V)
- ⑤ Frequency Tolerance (See Table 1)
- ⑥ Symmetry/Enable Function (45/55%, Stand-by)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Packaging (Tape & Reel 1000pcs./reel)

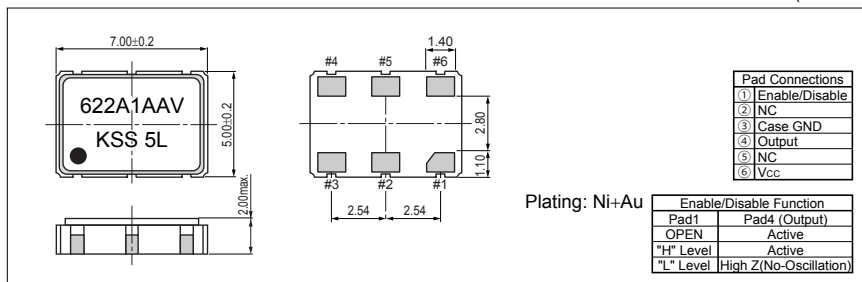
Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	Fo		600	700	MHz
Absolute Pull Range	APR	Initial tolerance, Operating temperature range, Rated power supply voltage change, Load change, Aging (1year @25°C), Shock and vibration	-100	+100	$\times 10^{-6}$
Control Voltage Range	V _{CON}		0	3.3	V
Control Voltage Input Impedance	—		100 Typ.		KΩ
Transfer Slope	—		Positive		
Storage Temperature Range	T _{stg}		-55	+125	°C
Operating Temperature Range	T _{use}	Standard Specifications	-45	+85	°C
Max. Supply Voltage	—		-0.5	+5	V
Supply Voltage	V _{CC}		3.14	3.46	V
Current Consumption (Standard Loaded)	I _{CC}		—	80	mA
Symmetry	SYM		45	55	%
Rise/ Fall Time (20% V _{CC} to 80% V _{CC} Standard Loaded)	T _r /T _f		—	400	pS
Output Voltage-"L"	V _{OL}		—	1.68	V
Output Voltage-"H"	V _{OH}		2.275	—	V
Output Load (PECL)	L _{ECL}	PECL 50Ω @Terminated V _{CC} -2V	49.5	50.5	ohm
Input Voltage Range	V _{IN}		0	V _{CC}	V
Input Voltage-"L"	V _{IL}		—	30% V _{CC}	V
Input Voltage-"H"	V _{IH}		70% V _{CC}	—	V
Disable Time	—		—	200	nS
Enable Time	—		—	2	mS
Start-up Time	ST	@ Minimum Operation Voltage to be 0 sec.	—	10	mS
Phase Jitter	—	Off set Frequency: 50kHz to 80MHz	—	1	pS

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)

