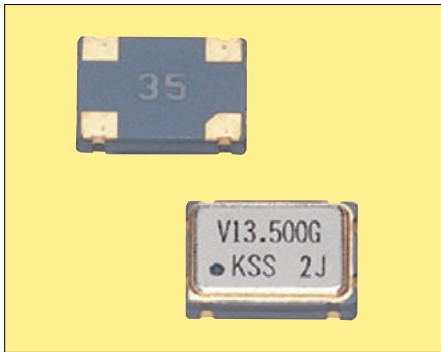




# Voltage Controlled Crystal Oscillators (VCXO) Surface Mount Type KV7050A Series (VC-FXO-35F Series)



CMOS / 3.3V / 5.0V / 7.0x5.0mm



Pb Free

RoHS Compliant

## Features

- Surface mount type suitable for auto pick-and-place.
- Reflow soldering compatible.
- Supply voltage  $V_{DD}=3.3/5.0V$  available

## Applications

- DTV, DVD

## How to Order

KV7050A 27.0000 C 3 S C 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 ( $S=\pm 30 \times 10^{-6}$ )
- ⑥ Symmetry/Enable Function (40/60%)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

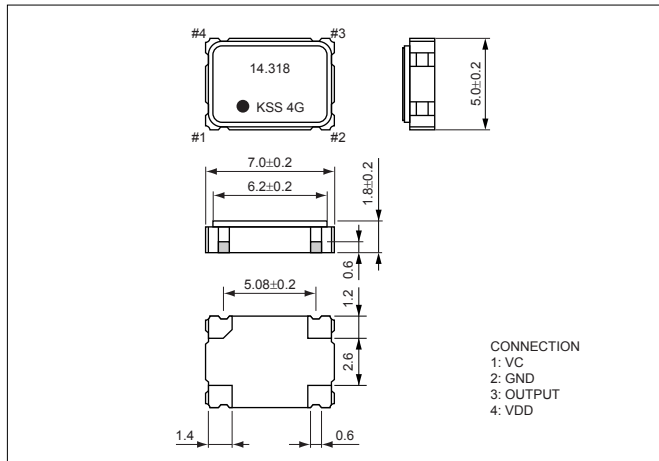
## Specifications

Items	Symbol	Specifications		Units
		KV7050Axx.xxxxC5SC00 (VC-FXO-35F)	KV7050Axx.xxxxC3SC00 (VC-FXO-35FL)	
Output Frequency	$F_0$	8 to 40	8 to 35	MHz
Frequency Tolerance (Overall)	$F_{tol}$	±30		$\times 10^{-6}$
Storage Temperature Range	$T_{stg}$	-35 to +85		°C
Operating Temperature Range	$T_{use}$	-10 to +70		°C
Max. Supply Voltage	—	7 Max.		V
Supply Voltage	$V_{DD}$	5±5%	3.3±5%	V
Current Consumption	$I_{DD}$	25 Max.	20 Max.	mA
Symmetry	SYM	40 to 60@50% $V_{DD}$		%
Rise / Fall Time	$T_r/T_f$	10 Max.	15 Max.	nS
Output Voltage-"L"	$V_{OL}$	0.5 Max.		V
Output Voltage-"H"	$V_{OH}$	90% $V_{DD}$ Min.		V
Output Load	CL	15		pF
Start-up Time	ST	10 Max.		mS
Voltage Control Range	$\Delta f/V$	±50 Min.	±50 Min.	$10^{-6}$
Frequency Deviation	$\Delta f/V$	2.5V±2.0V	1.65V±1.65V	V

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)

