

# Voltage Controlled Crystal Oscillators (VCXO)

## Surface Mount Type KV7050A Series (VC-FXO-35F Series)



CMOS/ 3.3V/ 5.0V/ 7.0×5.0mm



RoHS Compliant

### Features

- Surface mount type suitable for auto pick-and-place
- Reflow soldering compatible
- Supply voltage  $V_{CC}$ =3.3/ 5.0V available
- for DTV, DVD Applications

### 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=±30×10<sup>-6</sup>)
- ⑥ Symmetry (40/ 60%)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

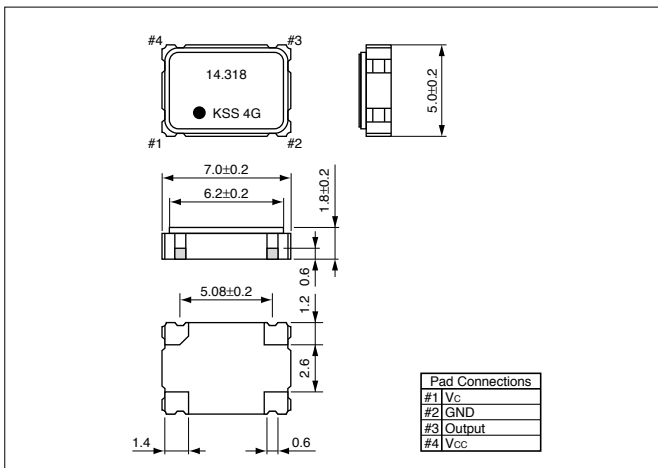
### Specifications

Item	Symbol	Specifications		Units
		KV7050Axx.xxxxC5SC00 (VC-FXO-35F)	KV7050Axx.xxxxC3SC00 (VC-FXO-35FL)	
Output Frequency Range	f <sub>o</sub>	8 to 30	8 to 30	MHz
Frequency Tolerance (Overall)	f <sub>tol</sub>	±30		×10 <sup>-6</sup>
Storage Temperature Range	T <sub>stg</sub>	-35 to +85		°C
Operating Temperature Range	T <sub>use</sub>	-10 to +70		°C
Max. Supply Voltage	—	7 max.		V
Supply Voltage	V <sub>CC</sub>	5±5%	3.3±5%	V
Current Consumption	I <sub>CC</sub>	25 max.	20 max.	mA
Symmetry	SYM	40 to 60@50%V <sub>CC</sub>		%
Rise/ Fall Time	tr/ tf	10 max.	15 max.	ns
Low Level Output Voltage	V <sub>OL</sub>	0.5 max.		V
High Level Output Voltage	V <sub>OH</sub>	90% V <sub>CC</sub> min.		V
CMOS Load	L <sub>CMOS</sub>	15		pF
Start-up Time	t <sub>str</sub>	10 max.		ms
Voltage Control Range	f <sub>cont</sub>	±50 min.	±50 min.	×10 <sup>-6</sup>
Frequency Deviation	f <sub>cont</sub>	2.5V±2.5V	1.65V±1.65V	V

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)

