

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

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=±30×10⁻⁶)
- ⑥ Enable Function (40/ 60%)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

Specifications

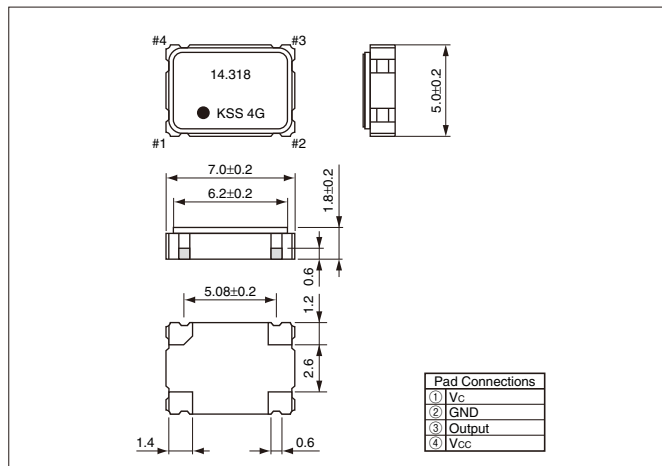
Item	Symbol	Specifications		Units
		KV7050Axx.xxxx C5SC00 (VC-FXO-35F)	KV7050Axx.xxxx C3SC00 (VC-FXO-35FL)	
Output Frequency Range	f _o	8 to 30	8 to 30	MHz
Frequency Tolerance (Overall)	f _{tol}	±30		×10 ⁻⁶
Storage Temperature Range	T _{stg}	-35 to +85		°C
Operating Temperature Range	T _{use}	-10 to +70		°C
Max. Supply Voltage	—	7 max.		V
Supply Voltage	V _{CC}	5±5%	3.3±5%	V
Current Consumption	I _{CC}	25 max.	20 max.	mA
Symmetry	SYM	40 to 60@50%V _{CC}		%
Rise/ Fall Time	tr/ tf	10 max.	15 max.	nS
Low Level Output Voltage	V _{OL}	0.5 max.		V
High Level Output Voltage	V _{OH}	90% V _{CC} min.		V
CMOS Load	L _{CMOS}	15		pF
Start-up Time	t _{str}	10 max.		mS
Voltage Control Range	f _{cont}	±50 min.	±50 min.	×10 ⁻⁶
Frequency Deviation	f _{cont}	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)

