

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

KV5032A 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/Enable Function (40/60%)
- ⑦ Customer Special Model Suffix (STD Specification is "00")

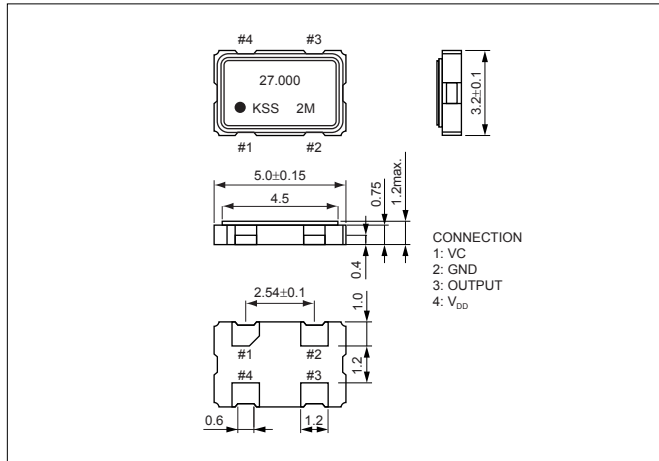
### Specifications

Items	Symbol	Specifications		Units
		KV5032Axx.xxxxC5SC00 (VC-FXO-65F)	KV5032Axx.xxxxC3SC00 (VC-FXO-65FL)	
Output Frequency	F <sub>0</sub>	8 to 40		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>DD</sub>	5±5%	3.3±5%	V
Current Consumption	I <sub>DD</sub>	20 Max.	15 Max.	mA
Symmetry	SYM	40 to 60@50%V <sub>DD</sub>		%
Rise / Fall Time	Tr/Tf	10 Max.	15 Max.	nS
Output Voltage-"L"	V <sub>OL</sub>	0.5 Max.		V
Output Voltage-"H"	V <sub>OH</sub>	90% V <sub>DD</sub> Min.		V
Output Load	CL	15		pF
Start-up Time	ST	10 Max.		mS
Voltage Control Range	Δf/V	±50 Min.	±50 Min.	10 <sup>-6</sup>
Frequency Deviation	Δf/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)

