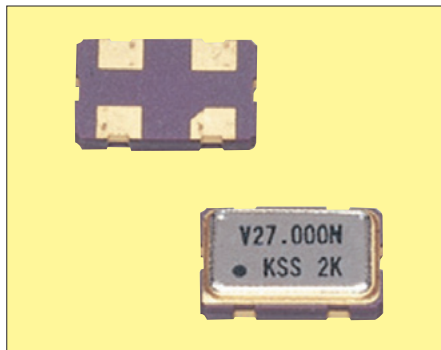


Voltage Controlled Crystal Oscillators (VCXO) Surface Mount Type KV5032A Series (VC-FXO-65F Series)



CMOS/ 3.3V/ 5.0V/ 5.0×3.2mm



Ph Free

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

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

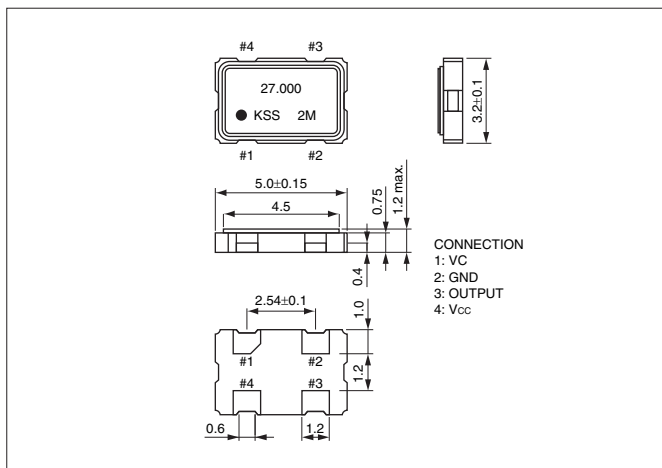
Specifications

Item	Symbol	Specifications		Units
		KV5032Axx.xxxxC5SC00 (VC-FXO-65F)	KV5032Axx.xxxxC3SC00 (VC-FXO-65FL)	
Output Frequency Range	F_o	8 to 30		MHz
Frequency Tolerance (Overall)	F_{tol}	± 30		$\times 10^{-6}$
Storage Temperature Range	T_{stg}	-35 to +85		$^{\circ}C$
Operating Temperature Range	T_{use}	-10 to +70		$^{\circ}C$
Max. Supply Voltage	—	7 max.		V
Supply Voltage	V_{CC}	5 \pm 5%	3.3 \pm 5%	V
Current Consumption	I_{CC}	20 max.	15 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
Output Load	CL	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 \pm 2.5V	1.65V \pm 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)

