

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 $V_{cc} = 5.0/ 3.3V$ available
- for DTV, DVD Applications

How to Order

KV7050A 27.0000 C □ S C 00
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Series
- 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 (40/ 60%)
- ⑦ Individual Specification (STD Specification is "00")

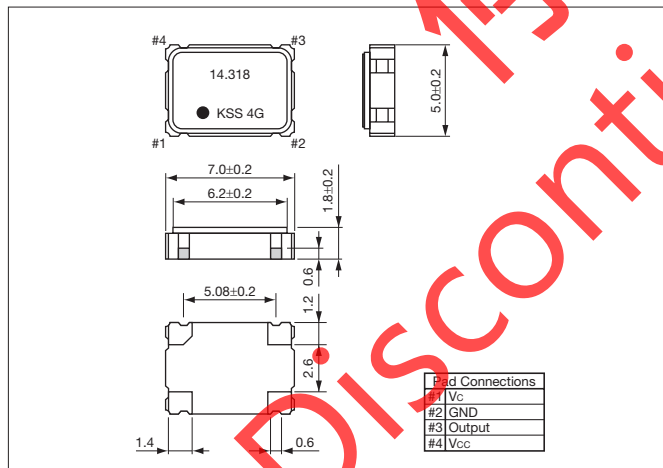
Specifications

Item	Symbol	Specifications		Units
		KV7050Axx.xxxxC5SC00 (VC-FXO-35F)	KV7050Axx.xxxxC3SC00 (VC-FXO-35FL)	
Output Frequency Range	f_o	8 to 30	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}	25 max.	20 max.	mA
Symmetry	SYM	40 to 60@50% V_{cc}		%
Rise/ Fall Time	t_r/ t_f	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.	$\times 10^{-6}$
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 inquiry about operating temperature range, available frequencies and other conditions.

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

