

Crystal Oscillator

Model Name 7314A

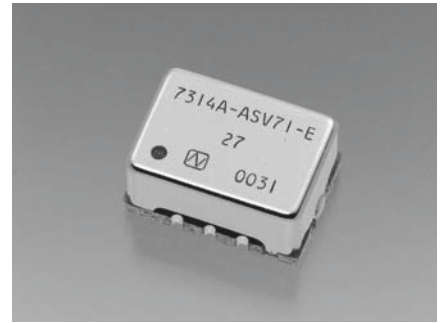
Voltage-Controlled Crystal Oscillator (VCXO) 7300 Series

Main Application

ISDN- and SDH-related equipment

Features

- A surface-mount crystal oscillator.
- Both TTL and C-MOS are directly driven.

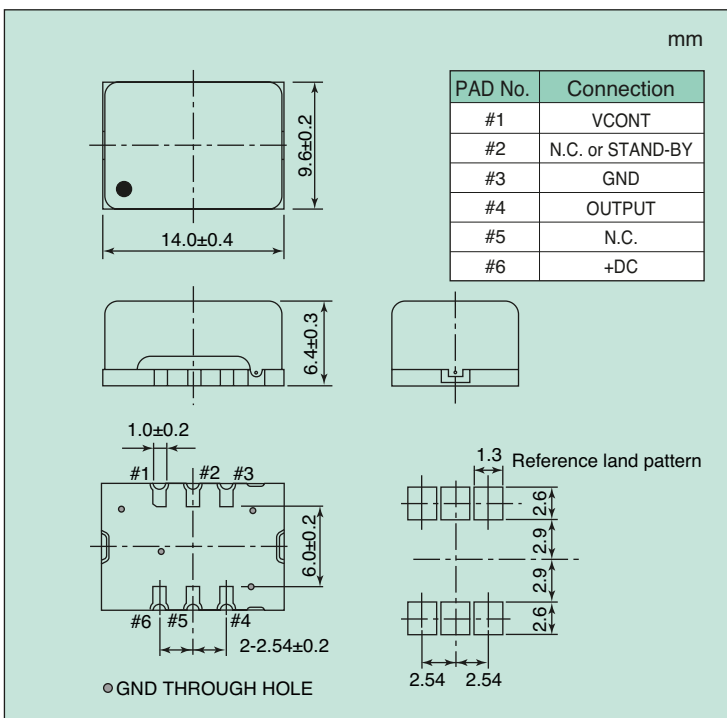


RoHS Compliant
Directive 2002/95/EC

Specifications

Item	Model	7314A					
	Classification	See *1 shown below.					
		SV71-A	SV71-E	SV81-A	SV81-E	SV81-D	SV81-F
Nominal frequency range (MHz)		2 to 52		2 to 52		2 to 52	
Power supply voltage		+5V DC±5%		+5V DC±5%		+3.3V DC±5%	
Load		N-TTL2		15pF		15pF	
Operating temperature range		-10 to +70°C		-10 to +70°C		-10 to +70°C	
Consumption current		30mA max		30mA max		20mA max	
Output level		TTL level		C-MOS level		C-MOS level	
Duty cycle		45 to 55% (< 25MHz), 40 to 60% (≥ 25MHz) (+1.4V)		45 to 55% (< 25MHz), 40 to 60% (≥ 25MHz) (1/2V _{CC})		45 to 55% (< 25MHz), 40 to 60% (≥ 25MHz) (1/2V _{CC})	
Comprehensive frequency stability		±40×10 ⁻⁶ max		±40×10 ⁻⁶ max		±40×10 ⁻⁶ max	
Frequency control characteristic		±100×10 ⁻⁶ min/+2.5±2.0V		±100×10 ⁻⁶ min/+2.5±2.0V		±70×10 ⁻⁶ min/+1.65±1.5V	
Control polarity		Positive		Positive		Positive	
Standby function		None	Available	None	Available	None	Available

Dimensions



*1

Nominal frequency (MHz)	Classification
2 to 25	G
25 to 52	A

List of Ordering Codes

Model Name and Classification	Frequency (MHz)	Ordering Code
7314A-GSV71-A	2 to 25	7314A-[]JM-NSA3289A
7314A-GSV71-E	2 to 25	7314A-[]JM-NSA3289B
7314A-ASV71-A	25 to 52	7314A-[]JM-NSA3289E
7314A-ASV71-E	25 to 52	7314A-[]JM-NSA3289F
7314A-GSV81-A	2 to 25	7314A-[]JM-NSA3289C
7314A-GSV81-E	2 to 25	7314A-[]JM-NSA3289D
7314A-ASV81-A	25 to 52	7314A-[]JM-NSA3289G
7314A-ASV81-E	25 to 52	7314A-[]JM-NSA3289H
7314A-GSV81-D	2 to 25	7314A-[]JM-NSA3289J
7314A-GSV81-F	2 to 25	7314A-[]JM-NSA3289K
7314A-ASV81-D	25 to 52	7314A-[]JM-NSA3289L
7314A-ASV81-F	25 to 52	7314A-[]JM-NSA3289M

Specify a frequency in the square brackets.

Specify the frequency in seven digits (the decimal point is not included).
Omit zeros after the decimal point.