

Model Name 7314A

Voltage-Controlled Crystal Oscillator (VCXO) 7300 Series

■ Main Application

ISDN- and SDH-related equipment

■ Features

- Both TTL and C-MOS IC are directly driven.
- A surface-mount crystal oscillator.
- Complies with the RoHS Directive.

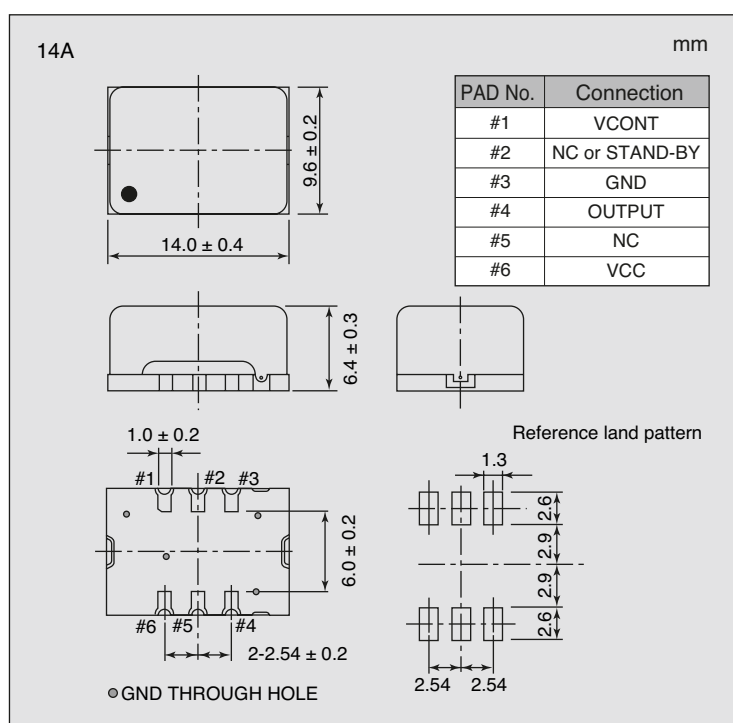


RoHS Compliant
Directive 2002/95/EC

■ Specifications

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

■ Dimensions



*1

Nominal frequency (MHz)	Classification
2 ≤ f < 25	G
25 ≤ f ≤ 52	A

■ List of Ordering Codes

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