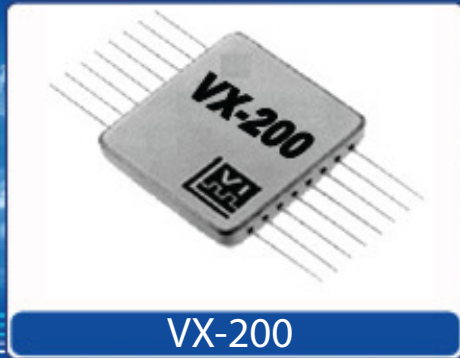


Helping Customers Innovate, Improve & Grow



### Features

- Low Profile hybrid
- 16 pin flatpack
- Frequency Range: 8 MHz to 200 MHz
- Previous Model: CO-487V

### Applications

- Phase Locking

## Performance Specifications

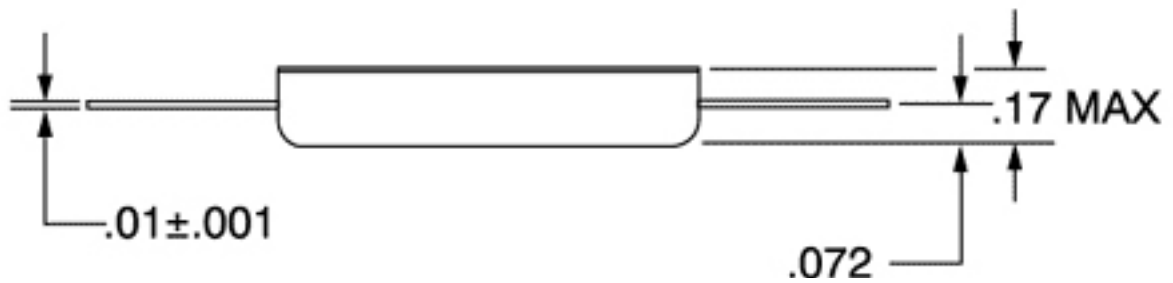
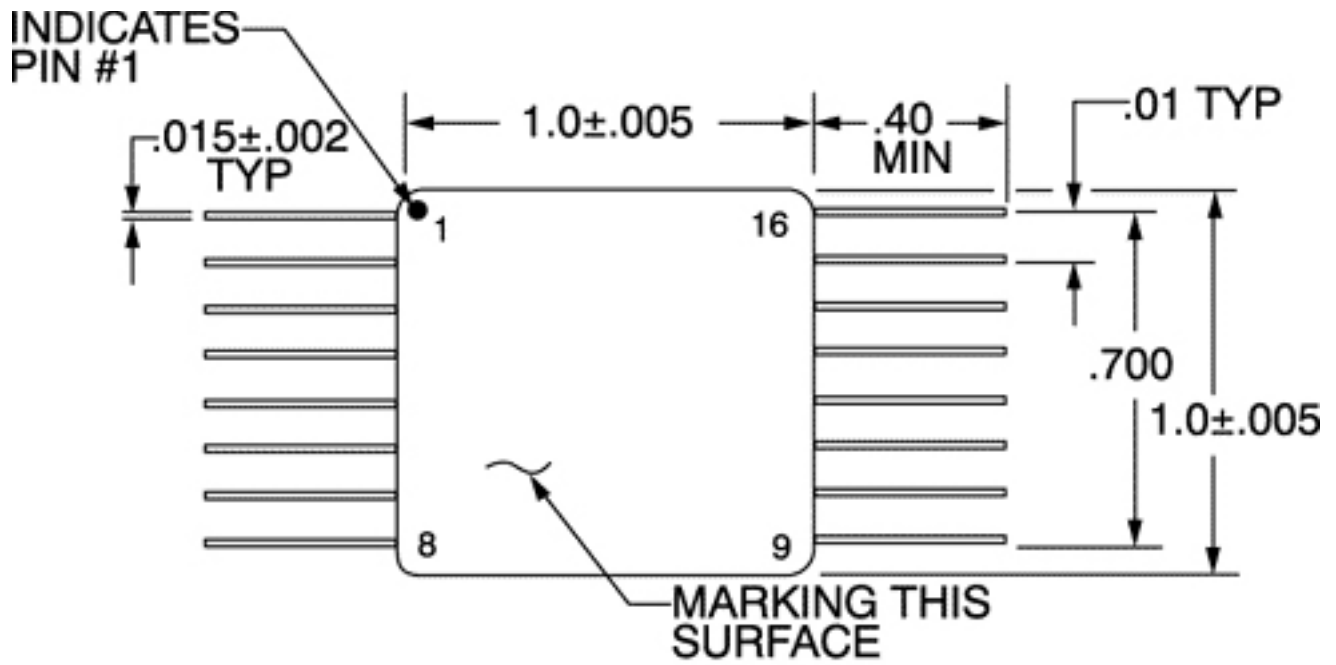
Parameter	Min	Typ	Max	Units	Condition	
<b>Frequency Stabilities<sup>1</sup></b>						
vs. Deviation/Stability	-50		+50	ppm	Minimum Deviation ±200	-55... +85°C
	-50		+50	ppm	±100	-55... +85°C
	-50		+50	ppm	±200	-40... +85°C
	-50		+50	ppm	±100	-40... +85°C
	-40		+40	ppm	±60	-40... +85°C
	-40		+40	ppm	±200	-20... +70°C
	-40		+40	ppm	±100	-20... +70°C
	-30		+30	ppm	±60	-20... +70°C
	-40		+40	ppm	±200	0... +70°C
	-40		+40	ppm	±100	0... +70°C
	-20		+20	ppm	±40	0... +70°C
	-35		+35	ppm	±200	0... +50°C
	-35		+35	ppm	±100	0... +50°C
-20		+20	ppm	±50	0... +50°C	
-10		+10	ppm	±30	0... +50°C	
<b>Supply Voltage (Vs)</b>						
Supply voltage	14.25	15.0	15.75	VDC	(±5%), (+12 Vdc to +24 Vdc optional)	
<b>RF Output</b>						
Signal	Sinewave					
Output		+7 +13		dBm dBm	Standard - 0.5 Vrms/50ohm Option - (<=160 MHz) (custom number required)	

www.DataSheet4U.com

## Performance Specifications

Parameter	Min	Typ	Max	Units	Condition
Harmonics & Sub-Harmonics			-20 -40	dBc dBc	Standard Option (custom number required)
<b>Frequency Tuning (EFC)</b>					
Control Voltage Range	$\pm 0.0$ $\pm 3$		$\pm 6$ $\pm 10$	V V	Standard Option (custom number required)
Transfer Function	Positive				Standard
	Negative				With bipolar control voltage option and linearity is $\pm 10\%$ (custom number required)
Linearity			$\pm 20$	%	Standard
			$\pm 10$	%	With bipolar control voltage option and deviation/stability of $\pm 200\text{ppm}$ (custom number required)

## Outline Drawing / Enclosure



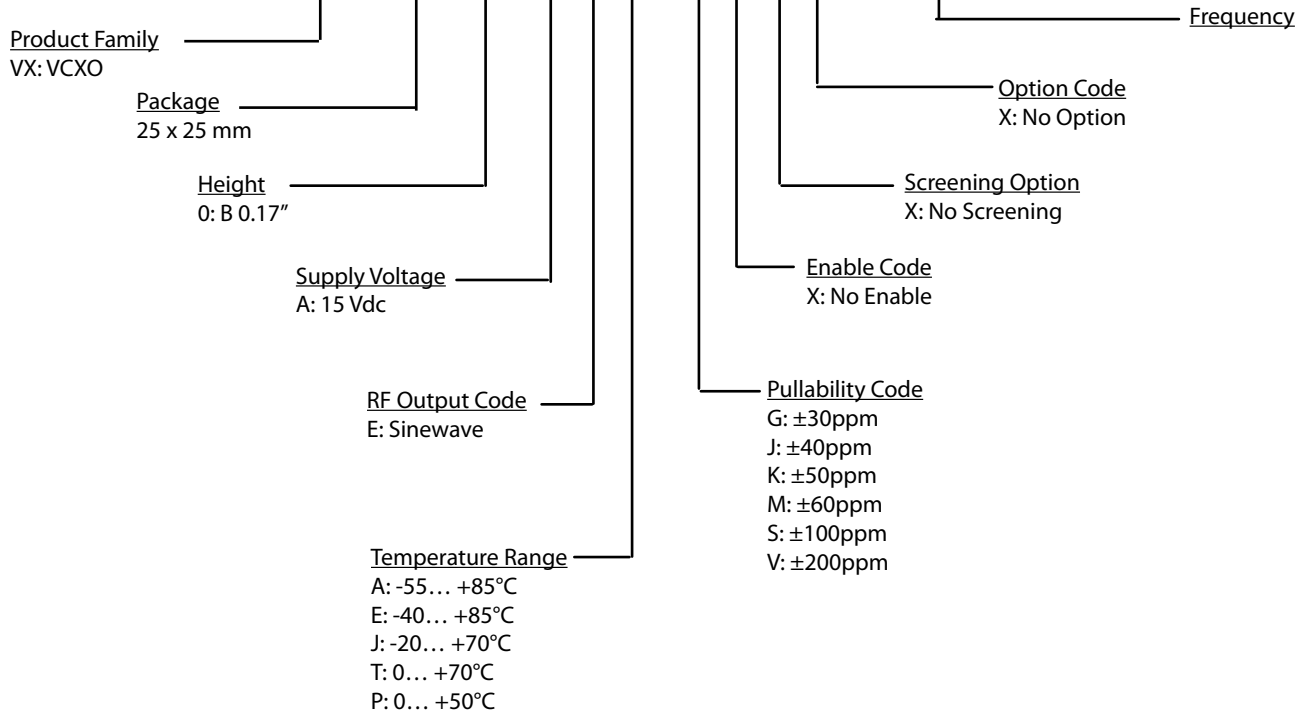
Dimension in inches

Type B		
Code	Height "H"	Pin Length
0	0.17"	0.40"

Pin Connections	
6	VCXO input
8	Ground
9	Output
16	Supply(+)

## Ordering Information

**VX - 200 0 - A E J - M X X X - 10M000000**



**Notes:**

- Contact factory for improved stabilities or additional product options. Not all options and codes are available at all frequencies.
- Unless other stated all values are valid after warm-up time and refer to typical conditions for supply voltage, frequency control voltage, load, temperature (25°C).
- Phase noise degrades with increasing output frequency.
- Subject to technical modification.
- Contact factory for availability.

## For Additional Information, Please Contact

**USA:**

Vectron International  
 267 Lowell Road  
 Hudson, NH 03051  
 Tel: 1.888.328.7661  
 Fax: 1.888.329.8328

**Europe:**

Vectron International  
 Landstrasse, D-74924  
 Neckarbischofsheim, Germany  
 Tel: +49 (0) 3328.4784.17  
 Fax: +49 (0) 3328.4784.30

**Asia:**

Vectron International  
 1F-2F, No 8 Workshop, No 308 Fenju Road  
 WaiGaoQiao Free Trade Zone  
 Pudong, Shanghai, China 200131  
 Tel: 86.21.5048.0777  
 Fax: 86.21.5048.1881

**Disclaimer**

Vectron International reserves the right to make changes to the product(s) and or information contained herein without notice. No liability is assumed as a result of their use or application. No rights under any patent accompany the sale of any such product(s) or information.