

## Typical Applications

Telecommunication  
 Universal Clock

## Features

Standard 4-Pin DIP Package (Half Size)  
 Enable Function

## Previous Vectron Model Numbers

MCO1XXX; AB;

## Frequency range

1 MHz – 100 MHz

## Frequency stabilities<sup>1</sup>

Parameter	Min	Typ	Max.	Units	Operating temp range	Ordering Code <sup>5</sup>
Overall (vs. Initial, vs. operating temperature range vs. supply voltage change vs. load change vs. aging /1. Year)	-100.0		+100.0	ppm	-0 ... +70°C	C104
	-50.0		+50.0	ppm	-0 ... +70°C	C505
	-25.0		+25.0	ppm	-0 ... +70°C	C255
	-100.0		+100.0	ppm	-40 ... +85°C	F104
	-50.0		+50.0	ppm	-40 ... +85°C	F505
	-32.0		+32.0	ppm	-40 ... +85°C	F325

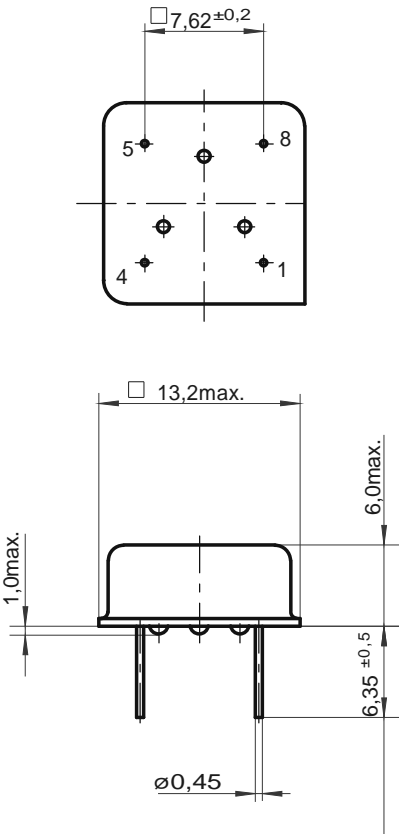
## Supply voltage

Parameter	Min	Typ	Max.	Units	Condition	Ordering Code <sup>5</sup>
Supply voltage (Vs)	4.75	5.0	5.25	VDC		SV050
Current consumption			40 50 55 70	mA	@ HCMOS fo < 24.0 MHz @ HCMOS fo < 50.0 MHz @ HCMOS fo < 70.0 MHz @ HCMOS fo < 100.0 MHz	
Supply voltage (Vs)	3.135	3.3	3.465	VDC		SV050
Current consumption			30 35 40 50	mA	@ HCMOS fo < 24.0 MHz @ HCMOS fo < 50.0 MHz @ HCMOS fo < 70.0 MHz @ HCMOS fo < 100.0 MHz	

## RF output

Parameter	Min	Typ	Max.	Units	Condition	Ordering Code <sup>5</sup>
Signal	HCMOS					RFH
Load		15.0		pF		
Rise and Fall time			10	ns	@ 15 pF 10 to 90 %	
Duty cycle	40		60	%	@ Vs/2	

## Enclosures

<b>Type A</b>		Package Codes:		
Code A1	Height "H" 7.5	Pin Length "L" 6,35		
 <p style="text-align: center;">Dimensions: mm</p>				
<b>Pin Connections</b>		<b>Option</b>	<b>Pin 1</b>	<b>Pin 5</b>
1 Enable	4 Ground (Case)	Enable	High	Output clock
5 RF Output	8 Supply Voltage Input (Vs)		Tri State	
Outline Drawing:			Low	High resistance output
<b>Marking</b>				
C1379A1-xxxx frequency * C XYYWW				

## Absolute Maximum Ratings

Parameter	Min	Typ	Max.	Units	Condition
Supply voltage (Vs)			7	V	
Operable temperature range	-30		+80	°C	
Storage temperature range	-40		+90	°C	

