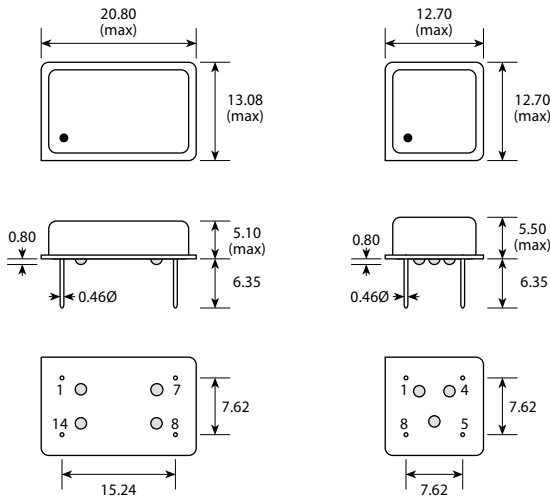


PHOTO NOT AVAILABLE



PIN	CONNECTION	PIN
1	Control voltage	1
7	Ground	4
8	Output	5
14	Supply	8

Scale 1:1

## Features

- ▶ **3.3V supply**
- ▶ **Low cost for volume applications**
- ▶ **Choice of pullability & stability**
- ▶ **Industrial temperature range option**

## Standard Frequencies

Frequencies in MHz	
8.19200	19.44000
13.50000	20.48000
14.31818	24.57600
16.38400	27.00000
17.73447	32.76800

Other frequencies available. Please consult our sales office.

## Frequency Stability

The table shows option codes for the available combinations of frequency stability (in ppm) and temperature range.

	±50	±30	±20	±15	±10
0 to +50°C	BN	CN	DN	EN	FN
-10 to +70°C	BC	CC	DC	EC	-
-40 to +85°C	BI	-	-	-	-

## Specifications

**GVXO-63F: Full size (14 pin DIL)**

**GVXO-63H: Half size (8 pin DIL)**

Parameters	Variant		Option Codes
	F	H	
<b>Package:</b> 14 pin DIL (full size) 8 pin DIL (half size)	■	■	
<b>Frequency range:</b> 1.0 ~ 160MHz 1.0 ~ 55.0MHz	■	■	
<b>Voltage control:</b> +1.65V ±1.65V, 10% linearity	■	■	
<b>Frequency pullability (min):</b> ±100ppm ±150ppm ±200ppm	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N S W
<b>Frequency stability:</b> ±50ppm ±30ppm ±20ppm ±15ppm ±10ppm	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	B C D E F
<b>Ageing:</b> ±3.0ppm max per year	■	■	
<b>Operating temperature range:</b> 0 to +50°C -10 to +70°C -40 to +85°C	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	N C I
<b>Storage temperature range:</b> -55 to +125°C	■	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +3.3V (±5%)	■	■	
<b>Supply current:</b> 15mA max (<20.0MHz) 25mA max (20.0 ~ 40.0MHz) 35mA max (40.0 ~ 60.0MHz) 45mA max (60.0 ~ 100MHz)	■ ■ ■ ■	■ ■ ■ ■	
<b>Driving ability:</b> 15pF HCMOS	■	■	
<b>Logic levels:</b> '0' level = 10%V <sub>DD</sub> max '1' level = 90%V <sub>DD</sub> min	■ ■	■ ■	
<b>Waveform symmetry @ 50%V<sub>DD</sub>:</b> 40:60 max 45:55 max	■ <input type="checkbox"/>	■ <input type="checkbox"/>	specify
<b>Start up time:</b> 10ms max	■	■	
<b>Rise / fall time:</b> 5ns max (10% ~ 90%V <sub>DD</sub> )	■	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Ordering Information

Product + variant + option codes + frequency  
eg: **GVXO-63F/SCC 20.480MHz** ±150ppm pullability, ±30ppm stability,  
-10 to +70°C

Option codes must be included to specify a model completely.

Option code X (eg GVXO-63F/X) denotes a custom spec.

♦ Gull wing version available for SM. Refer to our website for details.