



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

Scale 1:1

**Features**

- ▶ **5.0V supply**
- ▶ **Low cost for volume applications**
- ▶ **Choice of pullability & stability**
- ▶ **Express deliveries for non-standard items**
- ▶ **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.

**Specifications**

**GVXO-41F: Full size (14 pin DIL)**

**GVXO-41H: 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> 1.544 ~ 33.0MHz 1.544 ~ 30.0MHz	■	■	
<b>Voltage control:</b> +2.5V ±2.5V, 10% linearity >100kΩ input impedance	■	■	
<b>Frequency pullability (min):</b> ±80ppm ±150ppm ±200ppm	<input type="checkbox"/> ■ <input type="checkbox"/>	<input type="checkbox"/> ■ <input type="checkbox"/>	N S W
<b>Frequency stability:</b> ±100ppm ±50ppm ±25ppm ±20ppm ±15ppm	<input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/>	A B C D E
<b>Ageing:</b> ±5.0ppm max per year	■	■	
<b>Operating temperature range:</b> -10 to +70°C -40 to +85°C	■ <input type="checkbox"/>	■ <input type="checkbox"/>	I
<b>Storage temperature range:</b> -55 to +125°C	■	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±5%)	■	■	
<b>Supply current:</b> 20mA max (<20.0MHz) 30mA max (20.0 ~ 33.0MHz)	■ ■	■ ■	
<b>Driving ability:</b> 30pF HCMOS 5 LSTTL	■ ■	■ ■	
<b>Logic levels:</b> '0' level = +0.4V max '1' level = 90%V <sub>DD</sub> min	■ ■	■ ■	
<b>Waveform symmetry @ 50%V<sub>DD</sub>:</b> 40:60 max	■	■	
<b>Rise / fall time:</b> 6ns max (0.4V ~ 90%V <sub>DD</sub> min)	■	■	

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

**Ordering Information**

Product + variant + option codes + frequency  
eg: **GVXO-41F/SC 20.480MHz** ±150ppm pullability, ±25ppm stability  
Option codes must be included to specify a model completely.  
Option code X (eg GVXO-41F/X) denotes a custom spec.

♦ ±15ppm and ±20ppm stability may not be available over -40+85°C, depending on frequency. Check with our sales office.