



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

## Features

- ▶ 5.0V supply
- ▶ Low cost for volume applications
- ▶ Choice of pullability & stability
- ▶ Express deliveries for non-standard items
- ▶ Industrial temperature range option

## 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	□ ■ □	□ ■ □	N S W
<b>Frequency stability:</b> ±100ppm ±50ppm ±25ppm ±20ppm ±15ppm	□ □ ■ □ □	□ □ ■ □ □	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	■ □	■ □	I
<b>Storage temperature range:</b> -55 to +125°C	■	■	
<b>Supply voltage (VDD):</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%VDD:</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.