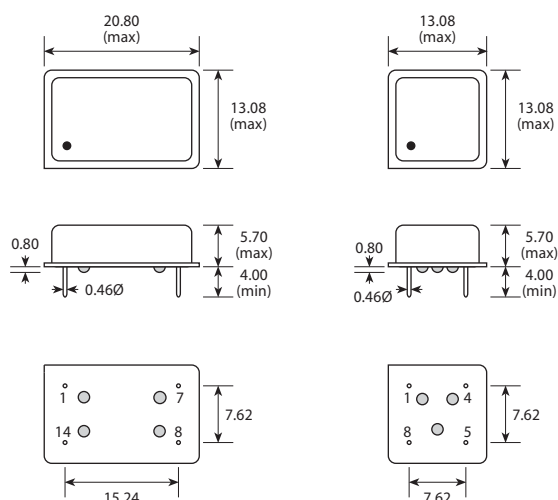
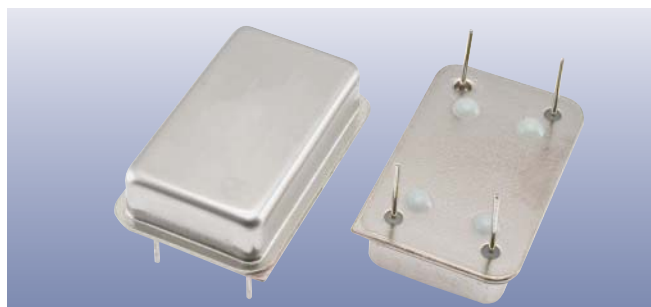




| PIN | CONNECTION      | PIN |
|-----|-----------------|-----|
| 1   | Control voltage | 1   |
| 7   | Ground          | 4   |
| 8   | Output          | 5   |
| 14  | Supply          | 8   |

## 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)<br>8 pin DIL (half size)                  | ■                     | ■                     |                       |
| <b>Frequency range:</b><br>1.544 ~ 33.0MHz<br>1.544 ~ 30.0MHz                    | ■                     | ■                     |                       |
| <b>Voltage control:</b><br>+2.5V ±2.5V, 10% linearity<br>>100kΩ input impedance  | ■                     | ■                     |                       |
| <b>Frequency pullability (min):</b><br>±80ppm<br>±150ppm<br>±200ppm              | □<br>■<br>□           | □<br>■<br>□           | N<br>S<br>W           |
| <b>Frequency stability:</b> ±100ppm<br>±50ppm<br>±25ppm<br>±20ppm<br>±15ppm      | □<br>□<br>■<br>□<br>□ | □<br>□<br>■<br>□<br>□ | A<br>B<br>C<br>D<br>E |
| <b>Ageing:</b> ±5.0ppm max per year                                              | ■                     | ■                     |                       |
| <b>Operating temperature range:</b><br>-10 to +70°C<br>-40 to +85°C              | ■<br>□                | ■<br>□                | I                     |
| <b>Storage temperature range:</b><br>-55 to +125°C                               | ■                     | ■                     |                       |
| <b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±5%)                              | ■                     | ■                     |                       |
| <b>Supply current:</b><br>20mA max (<20.0MHz)<br>30mA max (20.0 ~ 33.0MHz)       | ■<br>■                | ■<br>■                |                       |
| <b>Driving ability:</b> 30pF HCMOS<br>5 LSTTL                                    | ■<br>■                | ■<br>■                |                       |
| <b>Logic levels:</b> '0' level = +0.4V max<br>'1' level = 90%V <sub>DD</sub> min | ■<br>■                | ■<br>■                |                       |
| <b>Waveform symmetry @ 50%V<sub>DD</sub>:</b><br>40:60 max                       | ■                     | ■                     |                       |
| <b>Rise / fall time:</b><br>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.