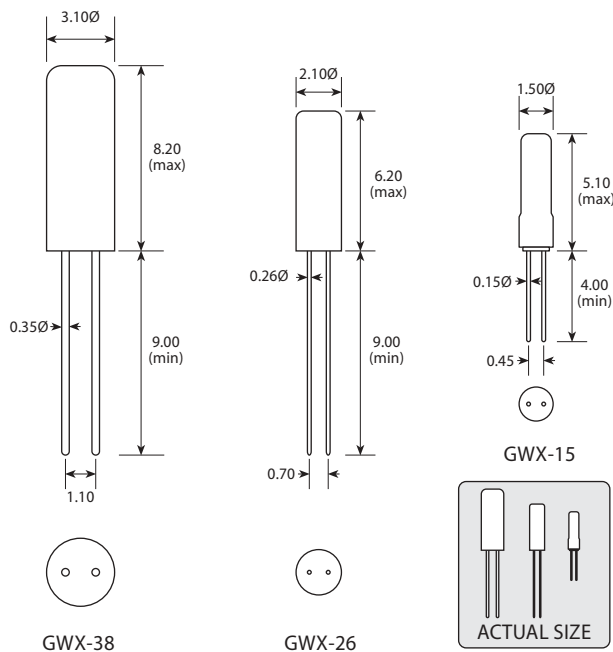
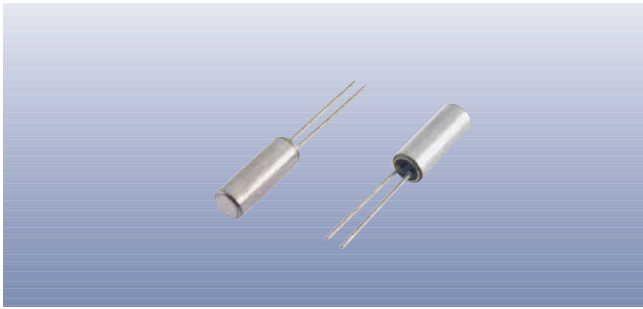




Scale 3:1

## Features

- Low cost
- Range of tolerances
- Excellent ageing characteristics
- Miniature size for high density applications
- Large stocks of popular models

## Specifications

**GWX-38: 3.1 x 8.2mm cylindrical package**

**GWX-26: 2.1 x 6.2mm cylindrical package**

**GWX-15: 1.5 x 5.1mm cylindrical package**

| Parameters                                                                                    | Variant          |                  |                  | Option Codes       |
|-----------------------------------------------------------------------------------------------|------------------|------------------|------------------|--------------------|
|                                                                                               | 38               | 26               | 15               |                    |
| <b>Package:</b> 3.1 x 8.2mm cylinder<br>2.1 x 6.2mm cylinder<br>1.5 x 5.1mm cylinder          | ■                | ■                | ■                |                    |
| <b>Frequency:</b> 32.768kHz                                                                   | ■                | ■                | ■                |                    |
| <b>Calibration tolerance:</b> ±20ppm<br>±15ppm<br>±10ppm<br>±5ppm                             | ■<br>□<br>□<br>□ | ■<br>□<br>□<br>□ | ■<br>□<br>□<br>□ | B<br>A<br>D<br>E   |
| <b>Operating temperature range:</b> -10 to +60°C<br>-40 to +85°C                              | ■<br>□           | ■<br>□           | ■<br>□           | I                  |
| <b>Turnover temperature (T<sub>0</sub>):</b> +25°C ±5°C                                       | ■                | ■                | ■                |                    |
| <b>Frequency / temp coefficient:</b> -0.038ppm/°C <sup>2</sup> typ                            | ■                | ■                | ■                |                    |
| <b>Circuit condition:</b> 12.5pF<br>8.0pF<br>6.0pF<br>Other values                            | ■<br>□<br>□<br>□ | ■<br>□<br>□<br>□ | □<br>■<br>□<br>□ | specify<br>specify |
| <b>Static capacitance (C<sub>0</sub>):</b> 1.6pF typ<br>1.35pF typ<br>1.0pF typ               | ■                | ■                | ■                |                    |
| <b>Equivalent series resistance (max):</b> 35kΩ<br>40kΩ<br>70kΩ (option I)<br>80kΩ (option I) | ■<br>□<br>□<br>□ | ■<br>□<br>□<br>□ | ■<br>□<br>□<br>□ |                    |
| <b>Ageing (first year):</b> ±1ppm typ, ±3ppm max                                              | ■                | ■                | ■                |                    |
| <b>Drive level:</b> 1.0μW max                                                                 | ■                | ■                | ■                |                    |

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

## Ordering Information

Product name + variant + option codes (if any)  
+ circuit condition (if non-standard)

eg: **GWX-38** ±20ppm (standard)

**GWX-26/A 8.0pF** ±15ppm 8.0pF

Option code X (eg GWX-38/X) denotes a custom specification.