



## Features

- ▶ **Ultra-miniature for maximum space saving**
- ▶ **Ideal for Bluetooth / Wireless applications**
- ▶ **Metal lid can be grounded to minimise EMI**
- ▶ **Seam sealed for excellent long-term stability**

## Specifications

Parameters	Product	Option Codes
	GSX-221	
<b>Frequency range:</b> 26.0 ~ 50.0MHz	■	
<b>Calibration tolerance:</b> ±10ppm ±15ppm ±20ppm Other values (±7.5 ~ ±100ppm)	■ □ □ □	1 P 2 specify
<b>Temperature stability:</b> ±10ppm ±15ppm ±20ppm ±30ppm Other values (±7.5 ~ ±100ppm)	■ □ □ □ □	1 P 2 3 specify
<b>Operating temperature range:</b> -10 to +60°C -20 to +70°C -30 to +80°C Other values	■ □ □ □	1 2 3 specify
<b>Storage temperature range:</b> -40 to +90°C	■	
<b>Circuit condition:</b> 8pF 9pF 12pF Other values	□ ■ □ □	M N B specify
<b>Oscillation mode:</b> Fundamental	■	F
<b>Equivalent series resistance (max):</b> 100Ω (26.0 ~ 29.9MHz) 80Ω (35.0 ~ 39.9MHz) 60Ω (36.0 ~ 50.0MHz)	■ ■ ■	
<b>Ageing:</b> ±3ppm max first year	■	
<b>Static capacitance (C0):</b> 5pF max	■	
<b>Test drive level:</b> 10μW	■	
<b>Soldering condition:</b> 260°C, 10 sec x2 max	■	

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

## Ordering Information

Part No, or product name + option codes + frequency

eg: **GSX-221/111NF 26.0MHz** 10/10/10/9-F

**GSX-221/1P3BF 26.0MHz** 10/15/30/12-F

Option code X (eg GSX-221/X) denotes a custom specification.

◆ ±10ppm temperature stability may not be available over -30+80C.  
 Check with our sales office before ordering.