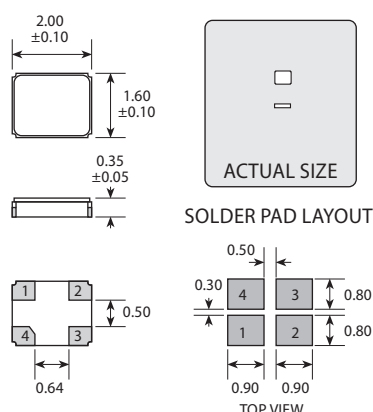
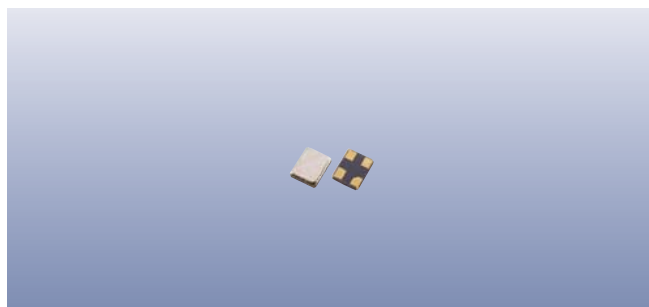




PAD	CONNECTION
1	Crystal
2	Not connected
3	Crystal
4	Ground & lid

Scale 5:1

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