



Scale 2:1

## Features

- ▄▄▄▄ **Frequencies up to 100MHz**
- ▄▄▄▄ **Tight specifications available**
- ▄▄▄▄ **Metal lid can be grounded to minimise EMI**
- ▄▄▄▄ **Low height for maximum space saving**

## Standard Frequencies

Fundamental in MHz			3rd Overtone
10.000000	18.432000	32.000000	32.000000
11.059200	19.660800	33.868800	33.868800
12.000000	20.000000	35.251200	35.251200
14.318180	24.000000	36.000000	36.000000
14.745600	24.000140		40.000000
15.000000	24.576000		40.320000
16.000000	25.000000		50.000000
16.000312	29.491200		64.000000
16.588800	30.000000		66.666000

## Specifications

Parameters	Product	Option Codes
	GSX-2	
<b>Frequency range:</b> 8.0 ~ 100.0MHz	■	
<b>Calibration tolerance:</b> ±10ppm ±15ppm ±20ppm ±50ppm Other values (±5ppm ~ ±100ppm)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 P 2 5 specify
<b>Temperature stability:</b> ±10ppm ±20ppm ±50ppm Other values (±5ppm ~ ±100ppm)	■ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 2 5 specify
<b>Operating temperature range:</b> -10 to +60°C -20 to +70°C Other values	■ ■ <input type="checkbox"/>	1 2 specify
<b>Circuit condition:</b> 16pF 18pF 20pF 30pF Series resonant Other values	■ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D E F J S specify
<b>Oscillation mode:</b> Fundamental (8.0 ~ 36.0MHz) 3rd overtone (28.0 ~ 84.0MHz) 5th overtone (84.0 ~ 160MHz)	■ ■ ■	F 3 5
<b>Static capacitance (C<sub>0</sub>):</b> 7pF max	■	
<b>Equivalent series resistance (max):</b> 60Ω (8.0~ 9.9MHz) 50Ω (10.0 ~ 15.9MHz) 40Ω (16.0 ~ 32.0MHz, fund) 60Ω (28.0 ~ 84.0MHz, 3rd OT) 80Ω (84.1 ~ 100MHz, 5th OT)	■ ■ ■ ■ ■	
<b>Ageing:</b> ±5ppm max first year	■	
<b>Test drive level:</b> 100μW	■	
<b>Soldering condition:</b> 260°C, 10 sec x2 max	■	

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

## Ordering Information

Product name + option codes + frequency  
eg: **GSX-2/551DF 32.0MHz** 50/50/10/16-F (standard)  
**GSX-2/121S3 72.0MHz** 10/20/10/SR-3

Option code X (eg GSX-2/X) denotes a custom specification.

- ◆ Available on T&R - 3k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ GSX-1B or GSX-751 are more cost effective with same footprint if height and specifications allow.