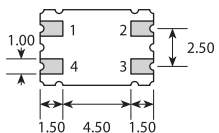
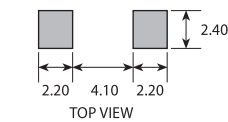
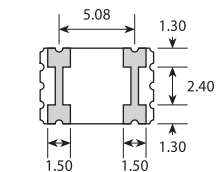
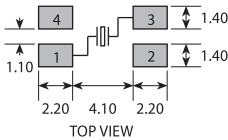


GSX-1A

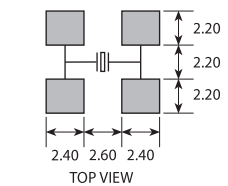
### SOLDER PAD LAYOUTS







GSX-1B



GSX-1C



## Features

-  **Ceramic SM package**
-  **Fundamental mode up to 50.0MHz**
-  **Low cost for volume applications**
-  **Large stocks of standard frequencies**

## Specifications

**GSX-1A: 2 pads, opposite ends**

**GSX-1B: 4 pads, diagonal connections**

**GSX-1C: 2 pads, 5.08mm pitch**

Parameters	Variant			Option Codes
	A	B	C	
<b>Package:</b>	GSX-1A GSX-1B GSX-1C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Frequency range:</b>	5.0 ~ 84.0MHz	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Calibration tolerance:</b>	±30ppm ±50ppm Other (±20ppm ~ ±100ppm)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<b>Temperature stability:</b>	±30ppm ±50ppm ±100ppm ±20ppm ~ ±100ppm	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>Operating temperature range:</b>	-10 to +60°C -20 to +70°C -40 to +85°C other	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>Circuit condition:</b>	12pF 16pF 18pF 20pF 30pF Series resonant other values	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>Oscillation mode:</b>	Fundamental (6.0 ~ 50.0MHz) 3rd overtone (28.1 ~ 50.0MHz) 3rd overtone (50.1 ~ 67.0MHz)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>Static capacitance (C<sub>0</sub>):</b>	7pF max	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Equivalent series resistance (max):</b>	80Ω (5.0 ~ 7.99MHz) 60Ω (8.0 ~ 9.99MHz, fund) 50Ω (10.0 ~ 15.99MHz, fund) 40Ω (16.0 ~ 50.0MHz, fund) 60Ω (28.0 ~ 84.0MHz, 3rd OT)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>Ageing:</b>	±5ppm max first year	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Test drive level:</b>	100μW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Soldering condition:</b>	260°C, 10 sec x2 max	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

## Ordering Information

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

eg: **GSX-1A/551DF 16.0MHz** 50/50/10/16-F (standard)

**GSX-1A/5C1S3 48.0MHz** 50/100/10/S-3

Option code X (eg GSX-1/X) denotes a custom specification.

- ◆ Available on T&R - 2k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.