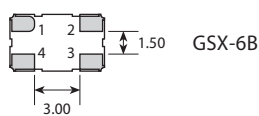
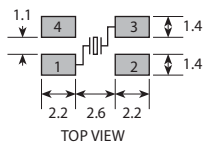


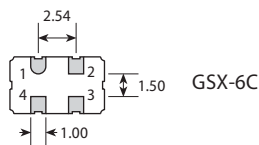
SOLDER PAD LAYOUTS



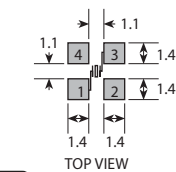
GSX-6B



TOP VIEW



GSX-6C



TOP VIEW

PAD	CONNECTION
1	Crystal
2	Ground & lid
3	Crystal
4	Ground & lid

Scale 2:1

## Features

- ▶ Ultra miniature for maximum space saving
- ▶ Tight specifications available
- ▶ Ceramic & metal package
- ▶ Fundamental mode up to 40.0MHz

## Standard Frequencies

Frequencies in MHz	
12.000000	24.000140
12.800000	24.576000
14.318180	25.000000
14.745600	28.224000
15.000000	29.491200
16.000000	30.000000
16.000312	32.000000
16.588800	36.000000
18.432000	40.000000
19.660800	40.320000
20.000000	50.000000
20.275200	56.448000
24.000000	

## Specifications

**GSX-6B: 4 corner pads**

**GSX-6C: 4 pads, 2.54mm pitch**

Parameters	Variant		Option Codes
	B	C	
<b>Package:</b> GSX-6B GSX-6C	■	■	
<b>Frequency range:</b> 12.0 ~ 40.0MHz (fund) >40.0 ~ 67.0MHz (3rd OT) >67.0 ~ 150MHz (3rd OT) >100 ~ 200MHz (5th OT)	■ ■ ■ ■	■ ■	
<b>Calibration tolerance:</b> ±50ppm ±5ppm ~ ±100ppm	■ □	■ □	specify
<b>Temperature stability:</b> ±50ppm ±3ppm ~ ±100ppm	■ □	■ □	specify
<b>Operating temperature range:</b> -10 to +60°C Other	■ □	■ □	specify
<b>Storage temperature range:</b> -30 to +85°C	■	■	
<b>Circuit condition:</b> 16pF Other values	■ □	■ □	specify
<b>Static capacitance (C<sub>0</sub>):</b> 7pF max	■	■	
<b>Equivalent series resistance (max):</b> 60Ω (12.0 ~ <16.0MHz) 40Ω (16.0 ~ 40.0MHz, fund) 70Ω (>40.0 ~ 67.0MHz, 3rd OT) 50Ω (>67.0 ~ 150MHz, 3rd OT) 90Ω (100 ~ 200MHz, 5th OT)	■ ■ ■ ■ ■	■ ■	
<b>Ageing:</b> ±5ppm max first year ±2ppm max first year	■ □		specify
<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 + variant + frequency  
+ specification (if non-standard)

eg: **GSX-6B 40.0MHz** 50/50/10/16-F (standard)

**GSX-6C 16.0MHz 10/3/10/30-F** (non-standard)

Option code X (eg GSX-6B/X) denotes a custom specification.

- ◆ Available on T&R - 1k or 2k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Tight specifications and/or frequencies 67.0 ~ 200MHz available in GSX-6B only.