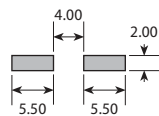


SOLDER PAD LAYOUT



Scale 1:1

**Features**

- ▄▄▄▄ **Wide frequency range**
- ▄▄▄▄ **Low profile case**
- ▄▄▄▄ **Fundamental mode available up to 50.0MHz**
- ▄▄▄▄ **Large stocks of standard frequencies**
- ▄▄▄▄ **Low cost**

**Standard Frequencies**

Frequencies in MHz			
3.579545	8.064000	16.000000	24.576000
3.686400	9.600000	16.000312	25.000000
4.000000	9.830400	16.384000	27.000000
4.194304	10.000000	18.432000	28.224000
4.608000	10.240000	19.660800	28.636360
4.915200	11.059200	20.000000	32.000000
5.000000	12.000000	20.275200	35.251200
6.000000	12.288000	20.507000	40.000000
6.144000	14.318180	22.118400	48.000000
7.372800	14.745600	24.000000	50.000000
8.000000	15.360000	24.000140	

**Specifications**

**GSX49-4: 4.3mm maximum height**

**GSX49-3: 3.2mm maximum height**

Parameters	Product		Option Codes
	GSX49-4	GSX49-3	
<b>Package:</b> HC49-4H SMD HC49-3H SMD	■	■	
<b>Frequency range:</b> 3.2768 ~ 90.0MHz 3.579 ~ 90.0MHz	■	■	
<b>Calibration tolerance:</b> ±20ppm ±30ppm ±50ppm Other values (±10ppm ~ ±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"/>	2 3 5 specify
<b>Temperature stability:</b> ±30ppm ±50ppm ±100ppm ±10ppm ~ ±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"/>	3 5 C specify
<b>Operating temperature range:</b> -10 to +60°C -20 to +70°C -30 to +80°C -40 to +85°C Other values	<input checked="" 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"/>	1 2 3 4 specify
<b>Circuit condition:</b> 12pF 16pF 18pF 20pF 30pF 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	B D E F J specify
<b>Oscillation mode:</b> Fundamental 3rd overtone	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	F 3
<b>Equivalent series resistance (max):</b> 200Ω (>3.2 ~ 3.5MHz) 150Ω (>3.5 ~ 4.0MHz) 120Ω (>4.0 ~ 4.4MHz) 100Ω (>4.4 ~ 7.0MHz) 70Ω (>7.0 ~ 10.0MHz) 50Ω (>10.0 ~ 50.0MHz, fund) 100Ω (>25.0 ~ 90.0MHz, 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"/>	
<b>Static capacitance (C<sub>0</sub>):</b> 7pF max	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Ageing:</b> ±3ppm max first year	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Test drive level:</b> 100µW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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

**Ordering Information**

Product name + frequency + circuit condition  
eg: **GSX49-4/351DF 20.0MHz** 30/50/10/16-F (standard)  
**GSX49-3/5C2S3 48.0MHz** 50/100/20/S-3  
Option code X (eg GSX49-4/X) denotes a custom specification.

- ◆ Available on T&R - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Lowest cost SMD crystal.