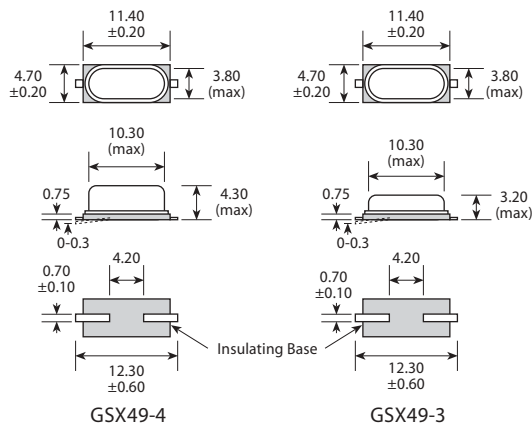




SOLDER PAD LAYOUT

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	
Package: HC49-4H SMD HC49-3H SMD	■	■	
Frequency range: 3.2768 ~ 90.0MHz 3.579 ~ 90.0MHz	■	■	
Calibration tolerance: ±20ppm ±30ppm ±50ppm Other values (±10ppm ~ ±100ppm)	☐ ☒ ☐ ☐	☐ ☒ ☐ ☐	2 3 5 specify
Temperature stability: ±30ppm ±50ppm ±100ppm ±10ppm ~ ±100ppm	☐ ☒ ☐ ☐	☐ ☒ ☐ ☐	3 5 C specify
Operating temperature range: -10 to +60°C -20 to +70°C -30 to +80°C -40 to +85°C Other values	☒ ☐ ☐ ☐ ☐	☒ ☐ ☐ ☐ ☐	1 2 3 4 specify
Circuit condition: 12pF 16pF 18pF 20pF 30pF Other values	☐ ☒ ☐ ☐ ☐ ☐	☐ ☒ ☐ ☐ ☐ ☐	B D E F J specify
Oscillation mode: Fundamental 3rd overtone	☒ ☐	☒ ☐	F 3
Equivalent series resistance (max): 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)	☒ ☒ ☒ ☒ ☒ ☒ ☒	☒ ☒ ☒ ☒ ☒ ☒ ☒	
Static capacitance (C₀): 7pF max	☒	☒	
Ageing: ±3ppm max first year	☒	☒	
Test drive level: 100μW	☒	☒	

■ 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.