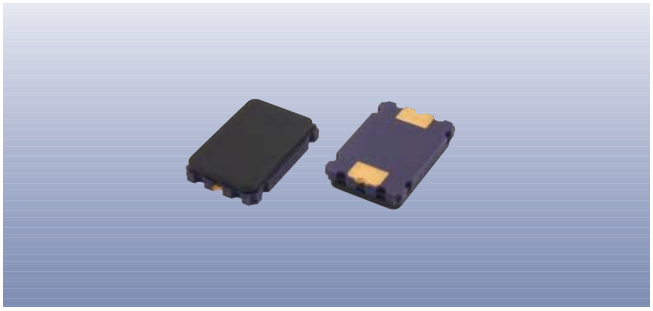
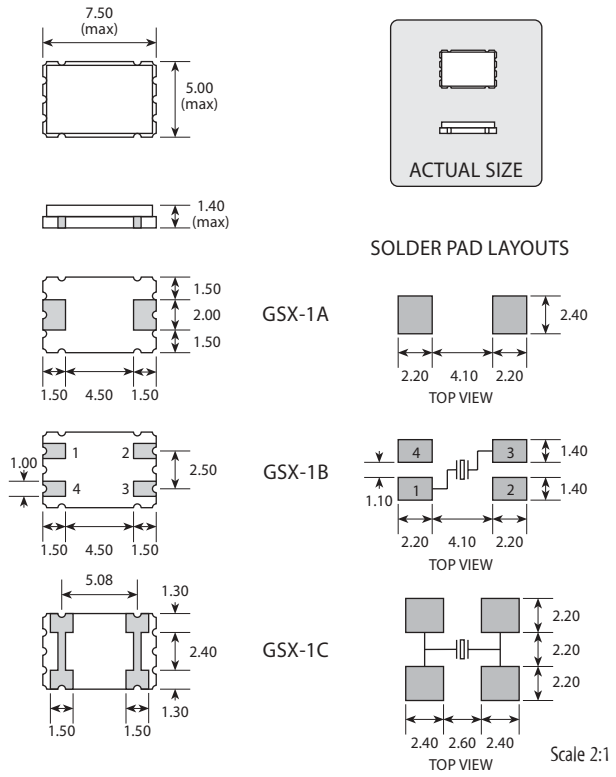
SM Crystal

GSX-1





Features

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

Standard Frequencies

Fundamental in MHz			3rd Overtone
6.000000	16.000000	29.498900	32.00000
7.372800	16.384000	30.000000	32.76800
8.000000	18.000000	32.000000	36.00000
9.216000	18.432000	32.768000	36.86400
9.830400	19.660800	36.000000	40.00000
10.000000	20.000000	36.864000	49.15200
11.059200	22.118400	40.000000	50.00000
12.000000	24.000000	49.152000	56.44800
14.318180	24.576000	50.000000	60.00000
14.745600	25.000000		64.00000
15.000000	28.224000		66.66600
15.360000	29.491200		

Specifications

GSX-1A: 2 pads, opposite ends

GSX-1B: 4 pads, diagonal connections

GSX-1C: 2 pads, 5.08mm pitch

Parameters		Variant A	Variant B	Variant C	Option Codes
Package:	GSX-1A	■			
	GSX-1B		■		
	GSX-1C			■	
Frequency range:	6.0 ~ 67.0MHz	■	■	■	
Calibration tolerance:	±30ppm	□	□	□	3
	±50ppm	■	■	■	5
	Other (±20ppm ~ ±100ppm)	□	□	□	specify
Temperature stability:	±30ppm	□	□	□	3
	±50ppm	■	■	■	5
	±100ppm	□	□	□	C
	±20ppm ~ ±100ppm	□	□	□	specify
Operating temperature range:					
	-10 to +60°C	■	■	■	1
	-20 to +70°C	□	□	□	2
	-40 to +85°C	□	□	□	4
	other	□	□	□	specify
Circuit condition:	12pF	□	□	□	B
	16pF	■	■	■	D
	18pF	□	□	□	E
	20pF	□	□	□	F
	30pF	□	□	□	J
	Series resonant	□	□	□	S
	other values	□	□	□	specify
Oscillation mode:					
	Fundamental (6.0 ~ 50.0MHz)	■	■	■	F
	3rd overtone (28.1 ~ 50.0MHz)	□	□	□	3
	3rd overtone (50.1 ~ 67.0MHz)	■	■	■	3
Static capacitance (C_0):	7pF max	■	■	■	
Equivalent series resistance (max):					
	80Ω (6.0 ~ 9.9MHz)	■	■	■	
	60Ω (10.0 ~ 15.9MHz, fund)	■	■	■	
	40Ω (16.0 ~ 50.0MHz, fund)	■	■	■	
	60Ω (28.0 ~ 67.0MHz, 3rd OT)	■	■	■	
Ageing:	±5ppm max first year	■	■	■	
Test drive level:	100µW	■	■	■	
Soldering condition:					
	260°C, 10 sec x2 max	■	■	■	

■ 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.

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

Tel: **+44 1460 256 100** Fax: **+44 1460 256 101** E-mail: **sales@golledge.com** Web: **www.golledge.com**

Golledge

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