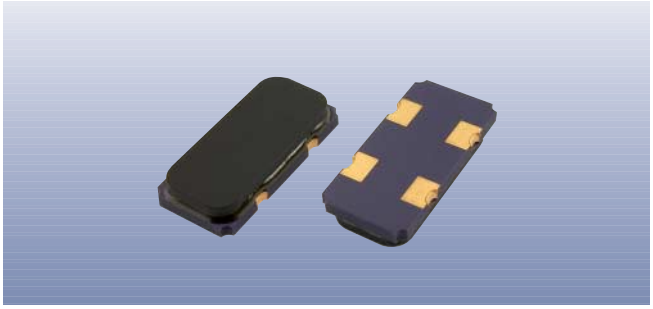
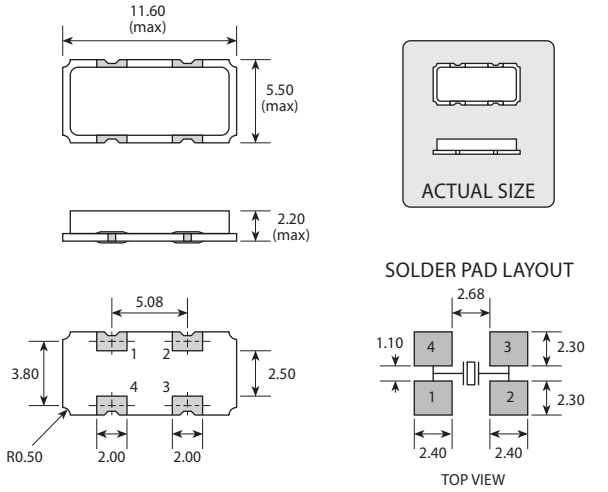
SM Crystal

GSX-9





Scale 2:1

Features

- **2.2mm max height**
- **Pad compatible with CP12A**
- **Ceramic package with gold plated terminals**
- **Low cost for volume applications**

Standard Frequencies

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

Specifications

Parameters	Product GSX-9	Option Codes
Frequency range: 3.50 ~ 25.0MHz	■	
Calibration tolerance: ±30ppm	□	3
±50ppm	■	5
Other values (±30ppm ~ ±100ppm)	□	specify
Temperature stability: ±30ppm	□	3
±50ppm	■	5
±100ppm	□	C
Other values (±30ppm ~ ±100ppm)	□	specify
Operating temperature range:		
-10 to +60°C	■	1
-20 to +70°C	□	2
-30 to +80°C	□	3
-40 to +85°C	□	4
Other values	□	specify
Operable temperature range:		
-45 to +85°C	■	
Storage temperature range:		
-55 to +125°C	■	
Circuit condition: 12pF	□	B
16pF	■	D
18pF	□	E
20pF	□	F
30pF	□	J
Other values	□	specify
Oscillation mode: Fundamental	■	F
Static capacitance (C_0): 7pF max	■	
Equivalent series resistance (max):		
200Ω (3.5 ~ 3.9MHz)	■	
150Ω (4.0 ~ 5.9MHz)	■	
100Ω (6.0 ~ 9.9MHz)	■	
80Ω (10.0 ~ 13.9MHz)	■	
50Ω (14.0 ~ 25.0MHz)	■	
Ageing: ±5ppm max first year	■	
Drive level: 0.1mW typ	■	
Soldering condition:		
240°C, 10 sec x2 max	■	

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

Ordering Information

Product name + option codes + frequency

eg: **GSX-9/551DF 20.0MHz** 50/50/10/16-F (standard)

eg: **GSX-9/351FF 16.0MHz** 30/50/10/20-F

Option code X (eg GSX-9/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.

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

Golledge

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