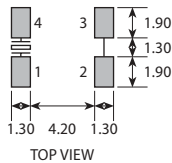


SOLDER PAD LAYOUT



Scale 2:1

## Features

- ▣ Plastic moulded surface mount package
- ▣ Miniature size for high density applications
- ▣ Wide operating temperature range
- ▣ 6pF version for Dallas RTC
- ▣ Supplied on tape and reel

## Specifications

Parameters	Product	Option Codes
	GSX-200	
Frequency:	32.768kHz	■
Calibration tolerance:	±20ppm ±5 ~ ±100ppm	■ □ specify
Temperature stability:	-50ppm (-10 to +60°C) -130ppm (-30 to +80°C)	■ ■
Operating temperature range:	-40 to +85°C	■
Storage temperature range:	-55 to +125°C	■
Turnover temperature (T <sub>0</sub> ):	+25°C ±5°C	■
Frequency / temp coefficient:	-0.038ppm/°C <sup>2</sup> typ	■
Circuit condition:	12.5pF 6pF	■ □ D
Static capacitance (C <sub>0</sub> ):	1.35pF typ	■
Motional capacitance (C <sub>1</sub> ):	3.0fF typ	■
Equivalent series resistance (max):	50kΩ	■
Ageing:	±3ppm max first year	■
Drive level:	1.0μW typ	■
Shock resistance:	±5ppm	■
Soldering conditions:	240°C, 10sec max	■

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

## Ordering Information

Product name + option codes (if any)

eg: **GSX-200**

**GSX-200 ±10ppm**

**GSX-200/D** ±20ppm 6pF

Option code X (eg GSX-200/X) denotes a custom specification.

- ◆ Available on T&R - 3k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Also available at frequencies from 30.0 ~ 100kHz