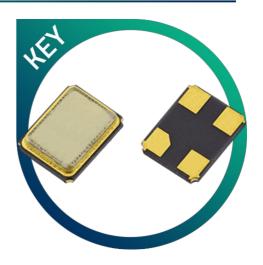


GSX-333

3.2 x 2.5mm High Frequency SM **Crystal with Tight Specifications**

- Metal lid can be grounded to minimise EMI
- Seam sealed for excellent long-term stability
- Ultra-miniature for maximum space saving
- Ideal for Bluetooth / Wireless applications



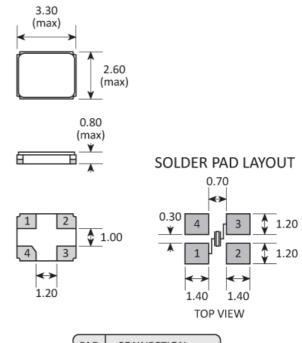
Parameter	Option Code
Frequency	P
Calibration tolerance	
Any	
±7.5ppm	М
±10ppm	1
±20ppm	2
±30ppm	3
Temperature stability	
Any	
±7.5ppm	М
±10ppm	1
±20ppm	2
±30ppm	3
Operating temperature range	
Any	
-10 to +60°C	1
-20 to +70°C	2
-30 to +80°C	3
-40 to +85°C	4
Circuit condition	
Any	
8pF	M
9pF	N
10pF	А
12pF	В
Oscillation mode	
Fundamental	F
3rd overtone	3

^{* ±7.5}ppm temperature stability may not be available over -30+80°C or greater. Check with our sales office before ordering



SPECIFICATIONS

PACKAGE DRAWING



PAD	CONNECTION
1	Crystal
2	Ground & lid
3	Crystal
4	Ground & lid

NOTE: Chamfer normally on pad 4, but may alternatively be supplied on pad 1.

Dimentions in mm



ORDERING INFORMATION

To request a quotation for the GSX-333 please use the configurable options form to choose the options you require and then submit your configured product to our team. Our expert advisers are always happy to help with your requirements and can be contacted on +44 1460 256 100 or at sales@golledge.com.

Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

APPLICATIONS

Our crystals and oscillators are regularly supplied for use with industry-leading ICs, from world-leading manufacturers including:

Analogue Devices

Atmel (Microchip Technology Inc.)

Broadcom

Dialog Semiconductor PLC

Intel

Nordic Semiconductor

NXP Semiconductors

Qualcomm (and CSR)

Silicon Labs

STMicroelectronics

Texas Instruments (TI)

Xilinx

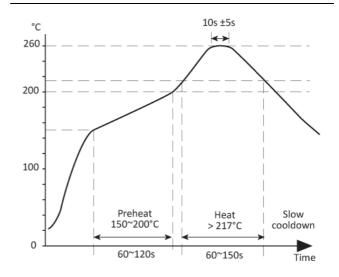
and more...

If you'd like more information about chipset compatibility please get in touch with our team here.

MARKING

FREQUENCY T DC Marking type: Laser DC = Date code

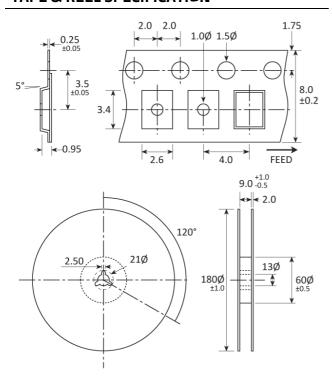
SOLDERING PROFILE



Lead free solderability limits: 260°C ±5°C x 10s ±5s x 2.



TAPE & REEL SPECIFICATION



HANDLING & STORAGE

Human Body Model (HBM) 1A (250V to <500V)

Moisture Sensitivity Level (MSL): 1 (or not applicable)

Dimensions in mm

CONSTRUCTION

Ceramic body with gold-plated pads Metal lid, seam sealed

COMPLIANCE

Please refer to our **DOCUMENTS** section for more information.



Lead-free (< 0.1% by weight)



RoHS compliant with no exemptions.



REACH compliant.



Free of conflict minerals.



Free from halogens.



Free from ozone-depleting substances.