

GSX-315

SM 32.768kHz Watch Crystal

- Miniature ceramic package with metal lid
- Vacuum seal for excellent long-term stability
- Low cost for volume applications
- Low power consumption



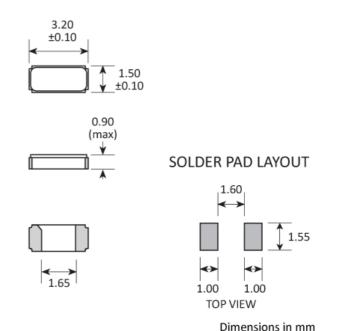
CONFIGURABLE OPTIONS	
Parameter	Option Code
Calibration tolerance*1:	
±20ppm	
Circuit condition:	
6pF	
7pF	
9pF	
12.5pF	
Operating temperature range *2:	
-10 to +70-°C	
-40 to +85°C	1



SPECIFICATIONS

Frequency:	32.768kHz
Frequency / temp	-0.04ppm/C ² max
coefficient:	
Operating temperature	-40 to +85°C
range:	
Storage temperature	-55 to +125°C
range:	
Static capacitance (C ₀):	2.0pF
Static capacitance (C_0): Motional capacitance (C_1):	2.0pF 3.0fF min
	'
Motional capacitance (C ₁):	3.0fF min
Motional capacitance (C ₁): Equivalent series	3.0fF min
Motional capacitance (C ₁): Equivalent series resistance:	3.0fF min 50kΩ typ, 70kΩ max @ 25°C
Motional capacitance (C ₁): Equivalent series resistance: Ageing*:	3.0fF min $50kΩ typ, 70kΩ max @ 25°C$ ±3ppm max first year

PACKAGE DRAWING



ORDERING INFORMATION

To request a quotation for the GSX-315 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.

MARKING

S DC NNN

Marking type: Laser DC = Date code NNN = Lot number

DC = Date Code in YM, eg. "GF" = Jun 2017

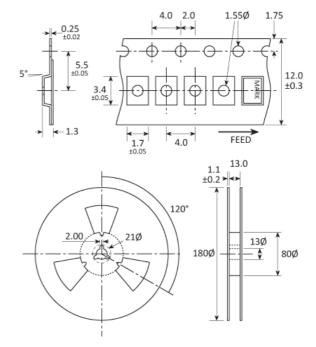
		Α	В	С	D	Ε	F	G	Н	J	K	L	M
	Υ	1	2	3	4	5	6	7	8	9	0		
ı	М	Jan	Feb	Mar	Apr	Mav	Jun	Jul	Aug	Sep	Oct	Nov	Dec



SOLDERING PROFILE

260°C ±5°C 10s max °C 260 200 5°C/s max 100 Slow Preheat Heat > 200°C cooldown 140~160°C 0 40s max Time 90s max 200s max

TAPE & REEL SPECIFICATION



Dimensions in mm

HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

CONSTRUCTION

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

COMPLIANCE



Lead-free (< 0.1% by weight)



RoHS compliant with no exemptions.



Nominal Net Mass: 12mg



OTHER INFORMATION

About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

Come and visit

Give us a call

Email us

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Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations). To take advantage of our highly praised service get in touch with us today.