

GSX-315

Miniature 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



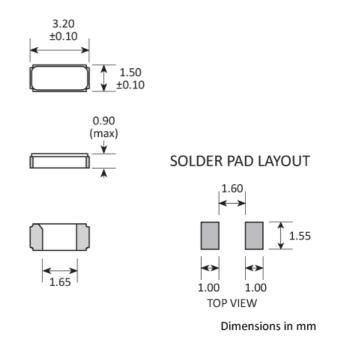
CONFIGURABLE OPTIONS	
Parameter	Option Code
Calibration tolerance	
±20ppm	
Circuit condition	
Any	
6pF	
7pF	
9pF	
12.5pF	



SPECIFICATIONS

Frequency	32.768kHz
Dimensions	3.2 x 1.5 x 0.9mm
Operating temperature	-40 to +85°C
range	
Storage temperature	-55 to +125°C
range	
Static capacitance (C ₀)	2.0pF max
Motional capacitance (C ₁)	3.0fF min
Equivalent series	50kΩ typ, 70kΩ max @ 25°C
resistance	
resistance Ageing	±3ppm max first year
. constante	±3ppm max first year 0.1μW typ, 0.5μW max
Ageing	, ,
Ageing Drive level	0.1μW typ, 0.5μW max
Ageing Drive level Turnover temperature (T ₀)	0.1μW typ, 0.5μW max +25°C ±5°C
Ageing Drive level Turnover temperature (T ₀) Frequency / temp	0.1μW typ, 0.5μW max +25°C ±5°C
Ageing Drive level Turnover temperature (T ₀) Frequency / temp coefficient	0.1µW typ, 0.5µW max +25°C ±5°C -0.04ppm/°C ² max
Ageing Drive level Turnover temperature (T ₀) Frequency / temp coefficient Shock resistance	0.1µW typ, 0.5µW max +25°C ±5°C -0.04ppm/°C² max 3,000g, 0.3ms, ½ sine

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

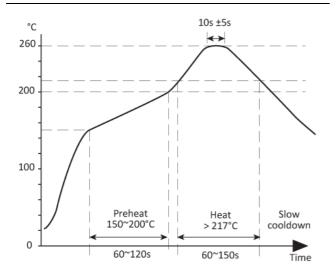
Marking type: Laser DC = Date code NNN = Lot number

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

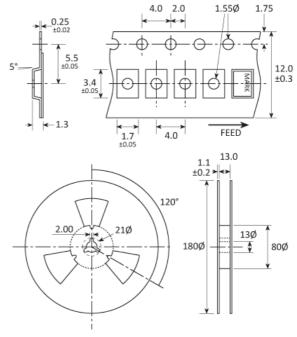


SOLDERING PROFILE



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

TAPE & REEL SPECIFICATION



Dimensions in mm

HANDLING & STORAGE



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



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

CONSTRUCTION

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





MATERIAL COMPOSITION

COMPOSITION



P6 Lead-free (< 0.1% by weight)

MCDFamily GSX-315.pdf



RoHS 2 compliant with no exemptions. See our

declaration



REACH compliant. See our statement



Au Ta Sn W Free of conflict minerals. See our declaration



Free of Halogens. See our declaration



Free of Ozone-depleting substances. See our

declaration



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.