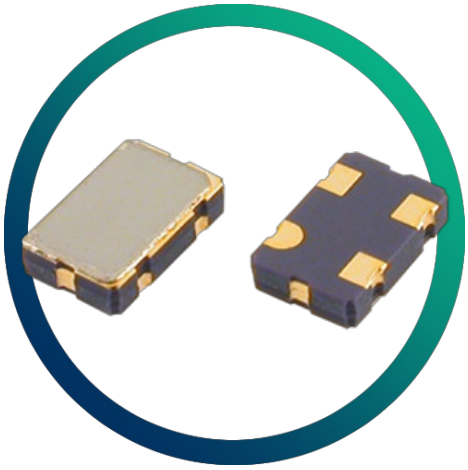
GXO-U115J

2.5V 5x3mm Oscillator with Extremely Low Current Consumption



- Enable / disable tristate function
- Power saving function

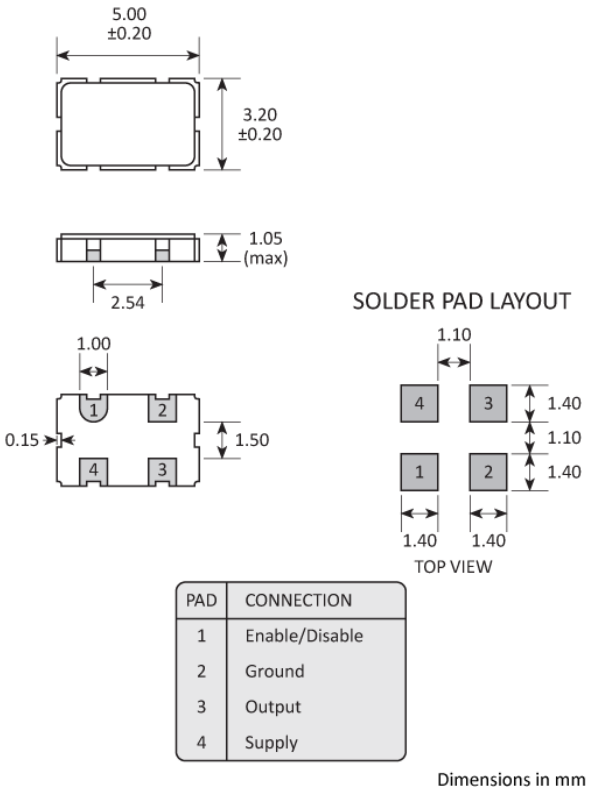
CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency stability	
Any	
±100ppm	
±50ppm	B
±25ppm	A
Operating temperature range	
Any	
-10 to +70°C	
-40 to +85°C	I

SPECIFICATIONS

Frequency range	1.8 ~ 160MHz
Dimensions	5.0 x 3.2 x 1.05mm
Storage temperature range	-55 to +125°C
Supply voltage (V_{DD})	+2.5V (±10%)
Supply current	10mA max (1.8 ~ 32.0MHz) 18mA max (>32.0 ~ 80.0MHz) 28mA max (>80.0 ~ 125MHz) 38mA max (>125 ~ 160MHz)
Logic levels	'0' level = 10%V_{DD} max '1' level = 90%V_{DD} min
Start up time	5ms max (1.8 ~ 32.0MHz) 10ms max (>32.0MHz)
Waveform symmetry	45:55 max @ 50%V_{DD} (≤50.0MHz) 40:60 max @ 50%V_{DD} (>50MHz)
Driving ability	15pF CMOS
Rise / fall time	5ns max (1.8 ~ 80.0MHz) 4ns max (>80.0 ~ 125MHz) 3ns max (>125 ~ 160MHz)
Enable / disable function	Tristate (control via pad 1)
Stand-by current (power-saving)	10µA

PACKAGE DRAWING



PAD	CONNECTION
1	Enable/Disable
2	Ground
3	Output
4	Supply

Dimensions in mm

ORDERING INFORMATION

To request a quotation for the GXO-U115J 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.

ENABLE / DISABLE FUNCTION

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

MARKING

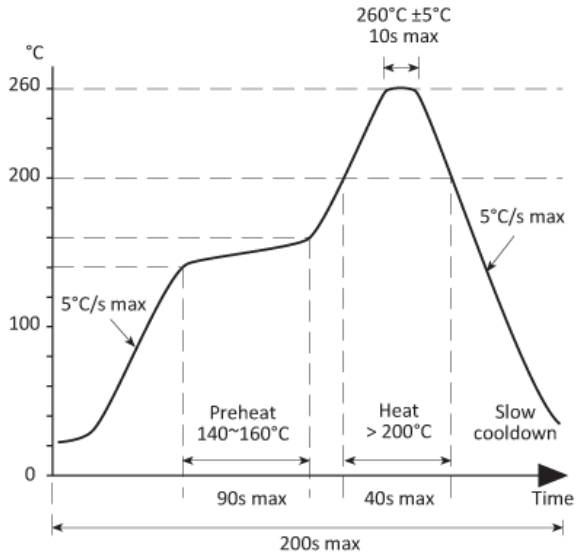
FREQUENCY
DC

Marking type: Laser

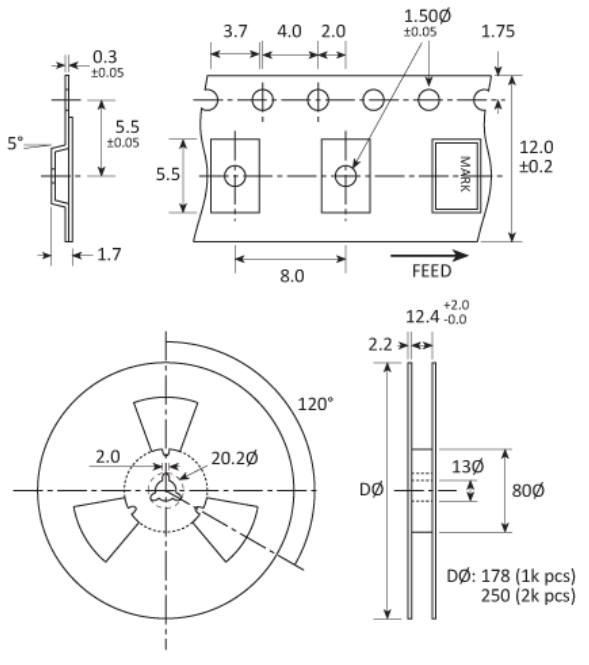
DC = Date Code in YM, eg. "GF" = Jun 2017

	A	B	C	D	E	F	G	H	J	K	L	M
Y	1	2	3	4	5	6	7	8	9	0		
M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

SOLDERING PROFILE



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 base with metal lid

MATERIAL COMPOSITION

Lead-free (< 0.1% by weight)

RoHS 2 compliant with no exemptions. See our declaration

REACH compliant. See our statement

Free of conflict minerals. See our declaration

Free of Halogens. See our declaration

Free of Ozone-depleting substances. See our declaration

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.

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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.