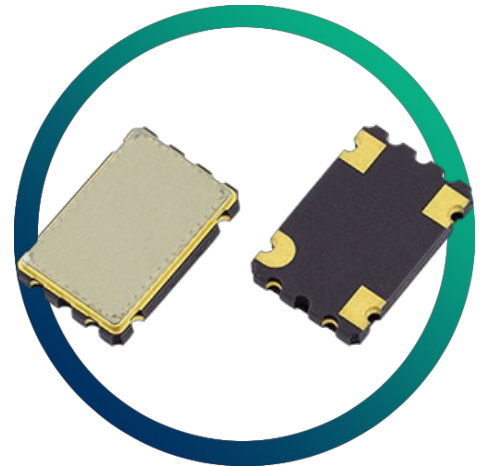


GXO-U108L

3.3V 7x5mm Oscillator with Power Saving

- Standard frequencies held in stock
- High drive capability - up to 50pF
- Enable / disable tristate function
- Power saving function (P & L variants)



CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency stability*	
Any	
±100ppm	
±50ppm	B
±25ppm	A
±20ppm	D
Operating temperature range	
Any	
-10 to +70°C	
-40 to +85°C	I

SPECIFICATIONS

Frequency range	12.0kHz ~ 170MHz
Storage temperature range	-55 to +125 °C
Supply voltage (V _{DD})	+3.3V (±0.3V)
Supply current	≤ 32.0MHz : 12mA max >32.0 ~ 50.0MHz : 17mA max >50.0 ~ 67.0MHz : 18mA max >67.0 ~ 80.0MHz : 40mA max >80.0 ~ 125MHz : 40mA max >125 ~ 170MHz : 50mA max
Logic levels	'0' level = 10%V _{DD} max '1' level = 90%V _{DD} min
Start up time	5ms max (<32MHz) 10ms max (>32MHz)
Waveform symmetry	45:55 max (≤50.0MHz) 40:60 max (>50.0MHz)
Driving ability	10 LSTTL 15pF HCMOS
Rise / fall time	7ns max (<80MHz) 4ns max (80.0 ~ 125MHz) 3ns max (125 ~ 170MHz)
Enable / disable function	Tristate (control via pad 1) 10ms / 100ns
Stand-by current	10µA

PACKAGE DRAWING



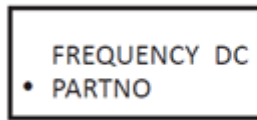
ORDERING INFORMATION

Product name + option codes (if any) + frequency eg: GXO-U108H/B 40.0MHz 5V, ±50ppm, -10+70 °C

ENABLE / DISABLE FUNCTION

Open
Enabled
'1' Level
Enabled
'0' Level
High Impedance

MARKING

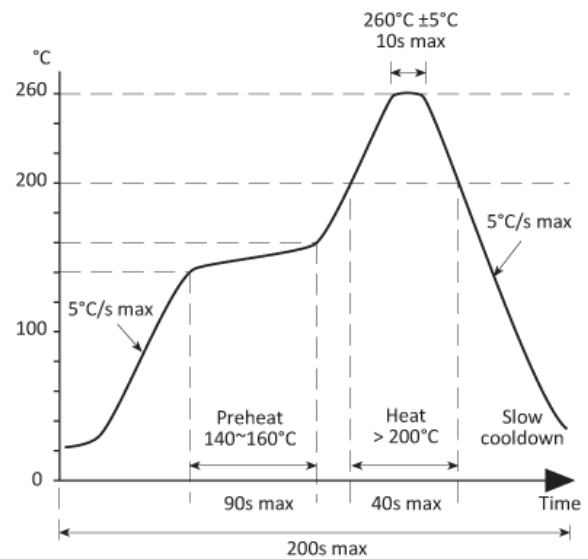


- Pin 1
- Marking type: Laser

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



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

MATERIAL COMPOSITION



Product is RoHS 2 compliant



[REACH Compliance Statement](#)



text and link to Conflict Minerals pdf statement



Text and link to Halogen Free pdf statement



Text and link to Ozone depletion statement pdf



Nominal Net Mass: 134.619mg

COMPOSITION

MCDFamily GXO-U108.pdf

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.