

GXO-L76J

2.5V Ultra High Frequency LVDS Oscillator with Enable/Disable functionality



- LVDS output
- Wide frequency range
- Enable / disable tristate function
- Short lead times

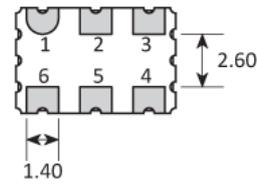
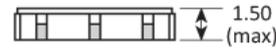
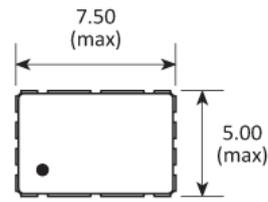
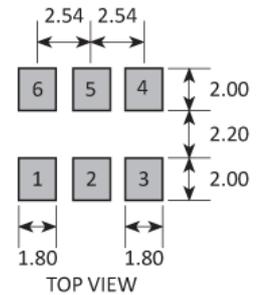
CONFIGURABLE OPTIONS

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

* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change, shock and vibration.

SPECIFICATIONS

Frequency range	10.0 ~ 1500.00MHz
Storage temperature range	-55 to +125°C
Supply voltage (V_{DD})	+2.5V ($\pm 5\%$)
Supply current	60mA max
Output	LVDS
Offset voltage	1.24V typ
Differential output voltage	0.33V typ
Output load	100 Ω
Start up time	10ms max
Dimensions	7.5 x 5.0 x 1.5mm
Waveform symmetry	45:55 max @ 50% V_{p-p}
Rise / fall time	1.0ns max (20 ~ 80% V_{p-p})
Enable / disable function	Tristate (control via pad 1)
Output enable / disable time	10ms / 200ns max
Phase jitter RMS	3ps max (> 40MHz), 12kHz~20MHz

PACKAGE DRAWING

SOLDER PAD LAYOUT


PAD	CONNECTION
1	Enable/Disable
2	Not connected
3	Ground
4	Output 1
5	Output 2
6	Supply

Dimensions in mm

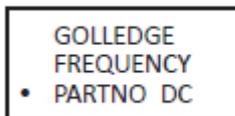
ORDERING INFORMATION

To request a quotation for the GXO-L76J 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



- Pin 1 Marking type: Laser

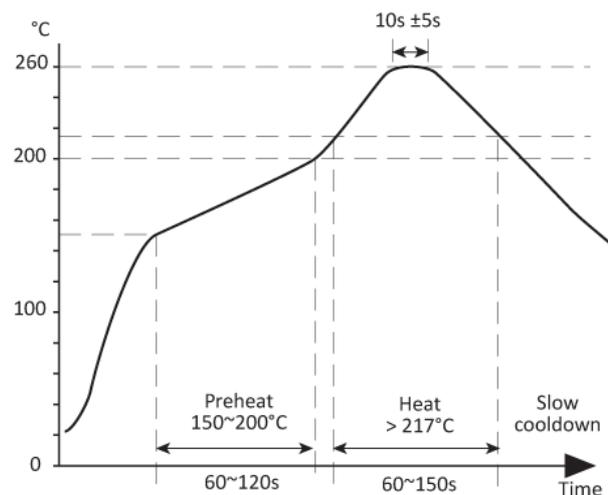
DC = Date Code in YM, eg. "GF" = Jun 2017

	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

ENABLE / DISABLE FUNCTION

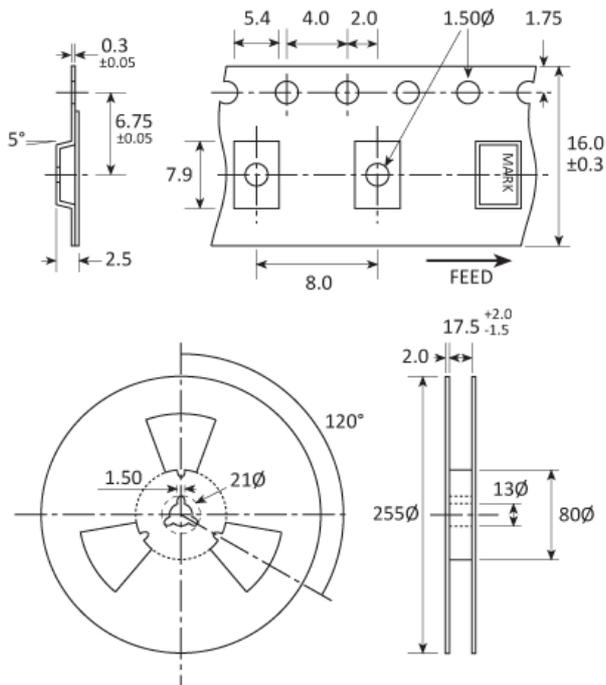
Input (pad 1)	Output 1 (pad 4)	Output 2 (pad 5)
Open	Enabled	Enabled
'1' level ($\geq 0.7 V_{DD}$)	Enabled	Enabled
'0' level ($\leq 0.3 V_{DD}$)	High Impedance	High Impedance

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

COMPLIANCE



Lead-free (< 0.1% by weight)



RoHS 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](#)