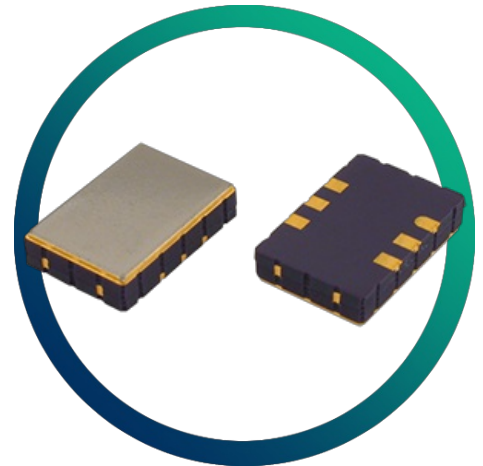


GVXO-27L

3.3V & 5V VCXO - High Freq

Fundamental

- Fundamental crystal up to 75MHz
- HCMOS compatible output
- Low jitter and fast rise / fall
- 3.3V or 5V supply
- Enable / disable tristate function



CONFIGURABLE OPTIONS

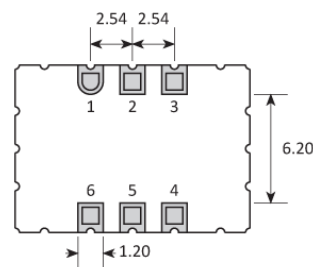
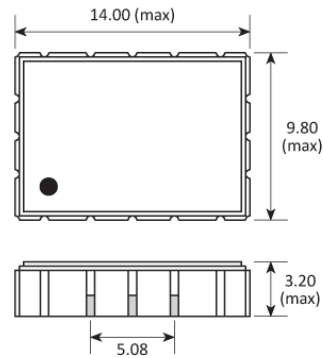
Parameter	Option Code
Frequency	
Frequency pullability	
Any	
±50ppm min	N
±80ppm min	P
±100ppm min	S
Frequency stability	
* see note below	
Any	
±50ppm max	B
±30ppm max	C
Operating temperature range	
Any	
-10 to +70°C	
-40 to +85°C	I

* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and ageing, with $V_{CTL} = 50\% V_{DD}$

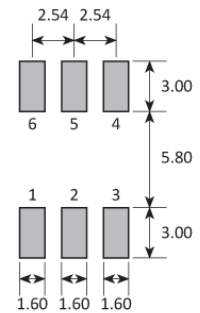
SPECIFICATIONS

Frequency range	1.0 ~ 75.0MHz
Dimensions	14.0 x 9.8 x 3.2mm
Voltage control (V_{CTL})	+1.65V \pm 1.5V, 10% linearity
Storage temperature range	-40 to +85 °C
Supply voltage (V_{DD})	+3.3V (\pm 5%)
Supply current	20mA max (1.0 ~ 30.0MHz) 30mA max (30.0 ~ 45.0MHz) 50mA max (45.0 ~ 75.0MHz)
Driving ability	15pF HCMOS
Logic levels	'0' level = 10% V_{DD} max '1' level = 90% V_{DD} min
Waveform symmetry	40:60 max @ 50% V_{DD}
Start up time	10ms max
Rise / fall time	5ns max (20% ~ 80% V_{DD})
Jitter	4.26ps (RMS) @ 32.768MHz 5.39ps (RMS) @ 70.656MHz
Enable / disable function	Control via pad 2
Enable / disable time	150ms max
Soldering condition	Reflow, 260 °C x 10sec x2 max

PACKAGE DRAWING



SOLDER PAD LAYOUT



TOP VIEW

PAD	CONNECTION
1	Control voltage
2	Enable / disable
3	Ground
4	Output
5	Not connected
6	Supply

Dimensions in mm

ORDERING INFORMATION

To request a quotation for the GVXO-27L 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.

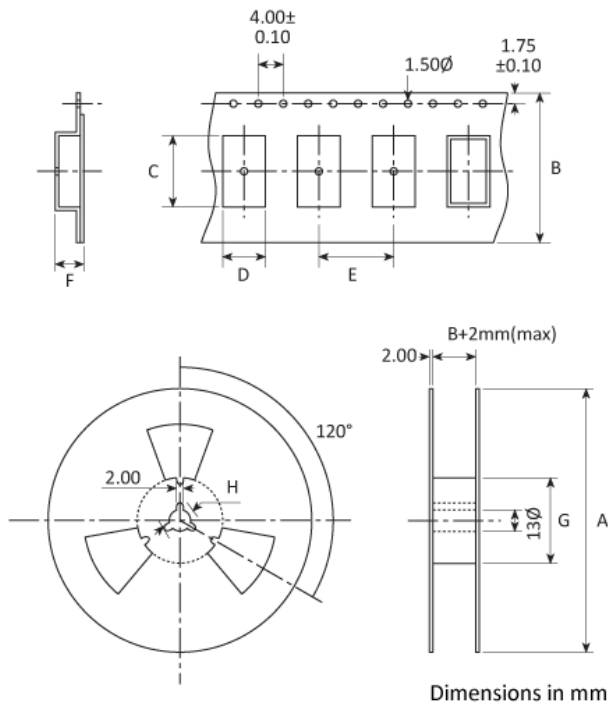
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

ENABLE / DISABLE FUNCTION

Input (pad 2)	Output (pad 3)
Open	Active
'1' level V_{IH}	Active
'0' level V_{IL}	High Impedance

TAPE & REEL SPECIFICATION



A:330 B:24 C:14.4 D:10 E:12 F:4 G:80 H:21

CONSTRUCTION

Ceramic package with metal lid

HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

MATERIAL COMPOSITION



Lead-free (< 0.1% by weight)



Product is RoHS 2 compliant

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

Eaglewood Park, ILMINSTER,
Somerset, TA19 9DQ, England

Give us a call

Tel: +44 1460 256 100
Fax: +44 1460 256 101

Email us

sales@golledge.com

Our Worldwide Distributors

Belgium & Luxembourg

Alcom Electronics NV/SA



Email info@alcom.be
Web www.alcom.be
Tel +32 (0)3 458.30.33

China, Hong Kong - 中国 / 香港

Meiya China



Email sales@meiyatech.com
Web www.meiyatech.com
Tel +86 755 2823 1923

France

Equipments Scientifique



Email comp@es-france.com
Web www.es-france.com
Tel +33 1 47 95 99 89

Germany

MEV Elektronik Service GmbH



Email info@mev-elektronik.com
Web www.mev-elektronik.com
Tel +49 54 24 23 40-0

India

V5 Semiconductors



Email sales@v5semiconductors.com
Web v5semiconductors.com
Tel +91-80-2661 0621

Israel

Phoenix Technologies Ltd



Email sales@phnx.co.il
Web www.phnx.co.il
Tel +972 9 764 4800

Netherlands

Alcom Electronics BV



Email info@alcom.nl
Web alcom.nl
Tel +31 (0)10 288.25.00

Norway

Link Nordic



Email bjorn.nyjordet@linknordic.com
Web linknordic.com
Tel +47 93 22 68 90

Russia - Россия

EFO Ltd



Email elena@efo.ru
Web www.golledge.ru
Tel +7(812)327-8654

Spain & Portugal

R.C. Microelectronica, S.A.



R.C. MICROELECTRÓNICA, S.A.

Email ventas@rcmicro.es
Web www.rcmicro.es
Tel +34 93 260 21 66

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.