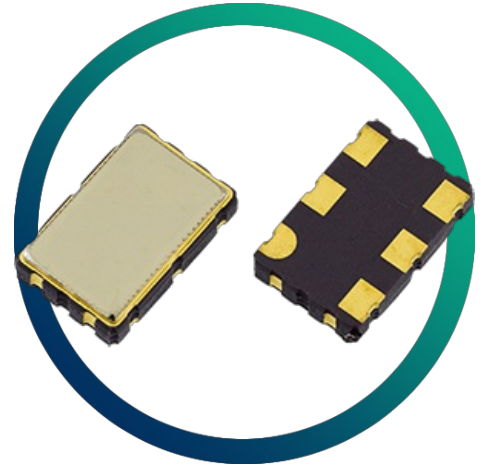


# GVXO-55F

## 5V VCXO with high frequency fundamental mode crystal



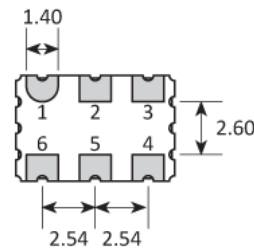
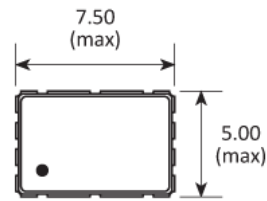
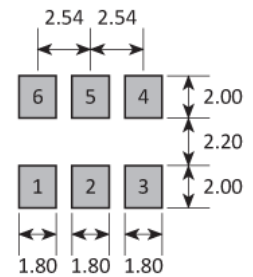
- Fundamental crystal up to 78.0MHz
- Choice of pullability and stability options
- Enable / disable tristate function
- Miniature SM package

### CONFIGURABLE OPTIONS

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

**SPECIFICATIONS**

Frequency range	1.0 ~ 78.0MHz
Dimensions	7.5 x 5.0 x 2.1mm
Voltage control	+2.50V ±2.0V, 10% linearity
Storage temperature range	-40 to +85 °C
Supply voltage ( $V_{DD}$ )	+5.0V (±5%)
Supply current	20mA max (1.0 ~ 18.0MHz) 30mA max (>18.0 ~ 36.0MHz) 40mA max (>36.0 ~ 52.0MHz)
Driving ability	15pF CMOS 10 N-TTL
Logic levels	'0' level = 10% $V_{DD}$ max '1' level = 90% $V_{DD}$ min
Output current	'0' level = 16.0mA min '1' level = -4.0mA min
Waveform symmetry	40:60 max
Rise / fall time	5ns max (20% ~ 80% $V_{DD}$ )
Start up time	10ms max
Enable / disable function	Tristate (control via pad 2)
Enable / disable time	100ns / 100ns 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

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To request a quotation for the GVXO-55F 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](mailto:sales@golledge.com).

Once we've received your request our expert team will then produce a quotation tailored to meet your needs using the option codes you've selected.

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.

## HANDLING & STORAGE

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



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

## ENABLE / DISABLE FUNCTION

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Input (pad 2)	Output (pad 4)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

## CONSTRUCTION

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Ceramic base with metal lid

## COMPLIANCE

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Please refer to our **DOCUMENTS** section for more information.



Lead-free (< 0.1% by weight )



RoHS compliant with no exemptions.



REACH compliant.



Free of conflict minerals.



Free from halogens.



Free from ozone-depleting substances.