

GVXO-753F

3.3V VCXO

- Low cost for volume applications
- Choice of pullability & stability



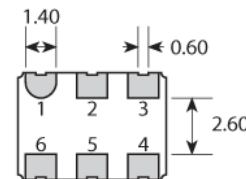
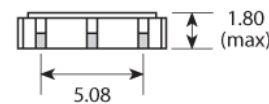
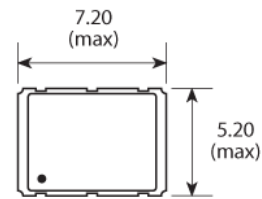
CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency pullability	
Any	
±50ppm min	N
±100ppm min	S
±120ppm min	V
Frequency stability	
Any	
±50ppm max	B
±25ppm max	C
Operating temperature range	
Any	
-20 to +70°C	
-40 to +85°C	I

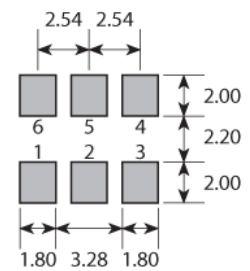
SPECIFICATIONS

Frequency range	1.50 ~ 54.0MHz
Dimensions	7.0 x 5.0 x 1.8mm
Package	6 pads, 2.54mm pitch
Voltage control	+1.65V $\pm$ 1.50V, 10% linearity
Storage temperature range	-40 to +85 °C
Supply voltage (V_{DD})	+3.3V ($\pm$ 10%)
Supply current	10mA max (1.5 ~ 20.0MHz) 15mA max (>20.0 ~ 30.0MHz) 20mA max (>30.0 ~ 40.0MHz) 25mA max (>40.0MHz)
Driving ability	15pF CMOS
Logic levels	'0' level = 10% V_{DD} max '1' level = 90% V_{DD} min
Waveform symmetry	45:55 max
Rise / fall time (10%~90% V_{DD})	10ns max (1.5 ~ 10.0MHz) 6ns max (>10.0MHz)
Enable / disable function	Tristate (control via pad 2)
Phase noise (typ)	-130dBc/Hz typ @ 1kHz

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-753F 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.

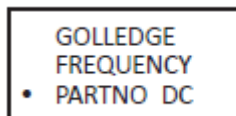
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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 4)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

MARKING

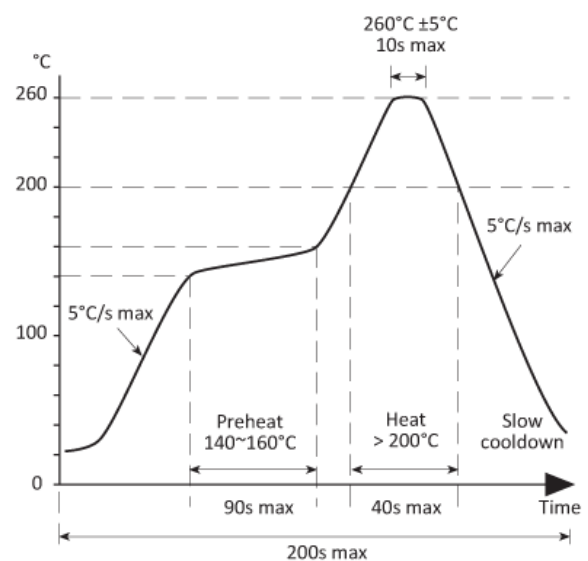


- Pin 1
Marking type: Laser

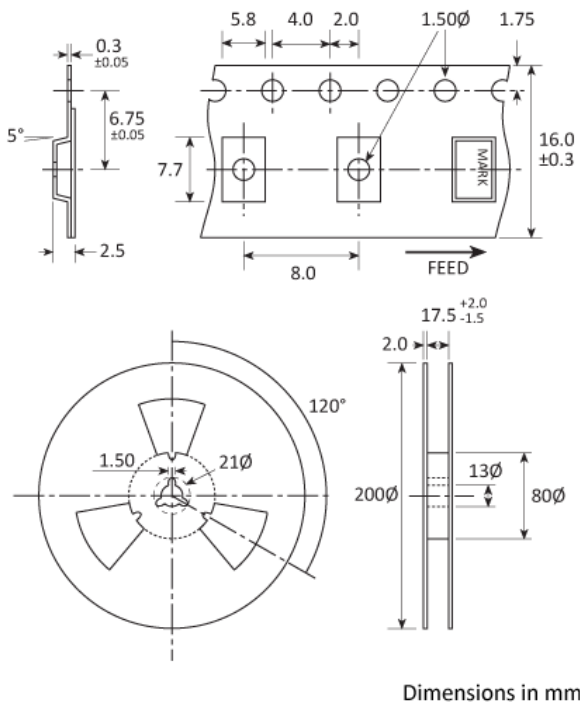
DC = Date Code in YM, eg. "GF" = Jun 2017

	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



Lead-free (< 0.1% by weight)



Product is RoHS 2 compliant



Nominal Net Mass: 142mg

MATERIAL COMPOSITION DATASHEET

MCDFamily GVXO-753.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.