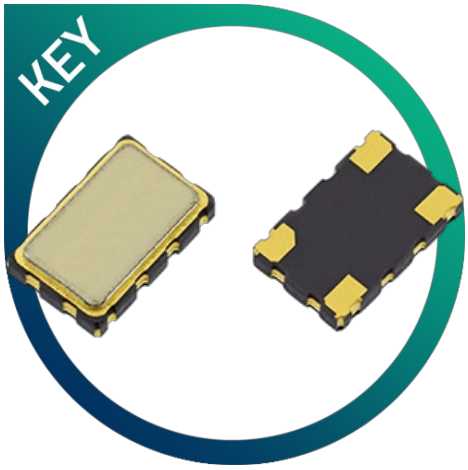
GTXO-83V

2.4V ~ 5.5V SM VCTCXO with Clipped Sine Output



- Low power consumption
- Supply voltage from 2.4V ~ 5.5V
- Miniature SM package
- Excellent frequency stability

CONFIGURABLE OPTIONS

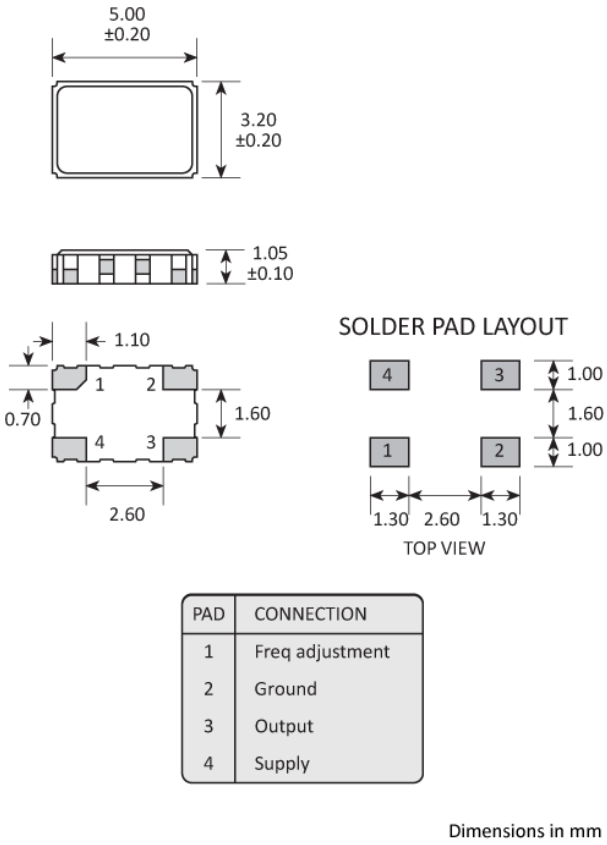
Parameter	Option Code
Frequency	
Frequency stability	
Any	
±3.0ppm max	K
±2.5ppm max	J
±2.0ppm max	H
±1.5ppm max	G
Temperature range	
Any	
0 to +50°C	R
-10 to +60°C	C
-20 to +70°C	N
-30 to +75°C	S
-40 to +85°C	I

SPECIFICATIONS

Frequency range	6.0 ~ 45.0MHz
Dimensions	5.0 x 3.2 x 1.15mm
Storage temperature range	-40 to +85°C
Supply voltage stability	±0.2ppm, V_{DD} ±5%
Load stability	±0.2ppm, Z_L ±10%
Ageing	±1.0ppm max first year
Supply voltage (V_{DD}) * see note below	+2.4V ~ +5.5V
Supply current	1.5mA max (6.0 ~ 20.0MHz) 2.0mA max (20.0 ~ 32.0MHz) 2.5mA max (32.0 ~ 45.0MHz)
Output waveform	Clipped sine, 0.8V p-p, +DC offset
Test load (Z_L)	10kΩ // 10pF
Start up time	3ms max
Frequency adjustment	±8ppm min, +1.5 ±1.0V
Phase noise (typ @ 20.0MHz)	-54dBc/Hz @ 1Hz -86dBc/Hz @ 10Hz -135dBc/Hz @ 1kHz -151dBc/Hz @ 100kHz
Frequency tolerance @ 25°C	±2.0ppm max, 60mins after reflow

*** Will operate within specification on any supply voltage from +2.4 V to +5.5V**

PACKAGE DRAWING



PAD	CONNECTION
1	Freq adjustment
2	Ground
3	Output
4	Supply

Dimensions in mm

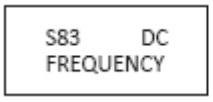
ORDERING INFORMATION

To request a quotation for the GTXO-83V 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

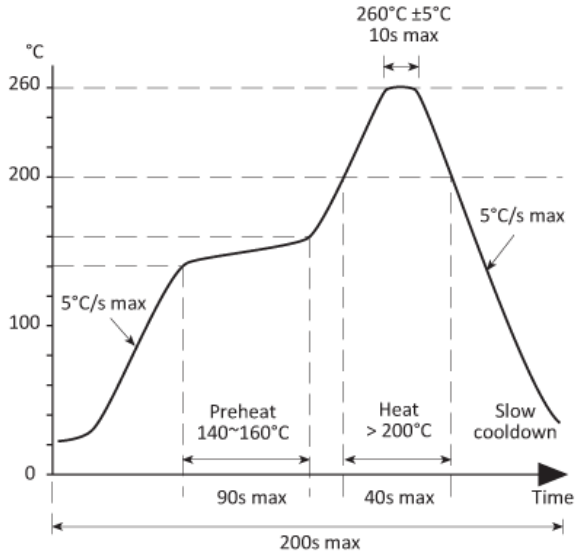


Marking type: Laser

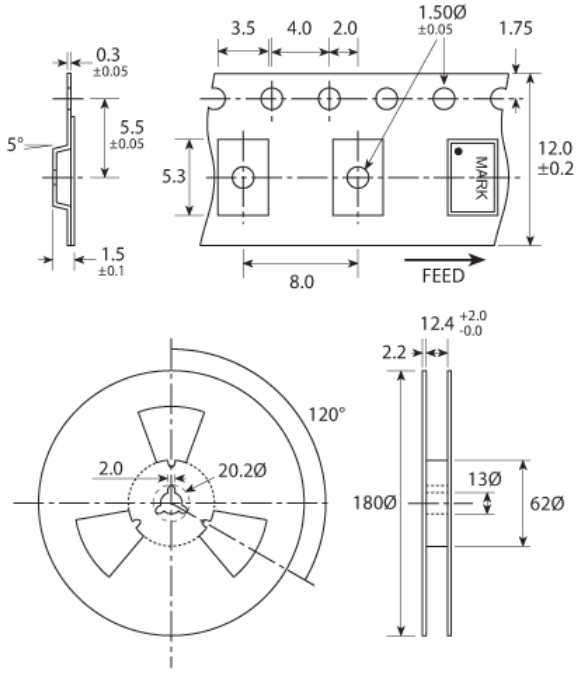
DC = Date Code in YM, eg. "GF" = Jun 2017

	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



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

MATERIAL COMPOSITION


Lead-free (< 0.1% by weight)


RoHS 2 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

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.