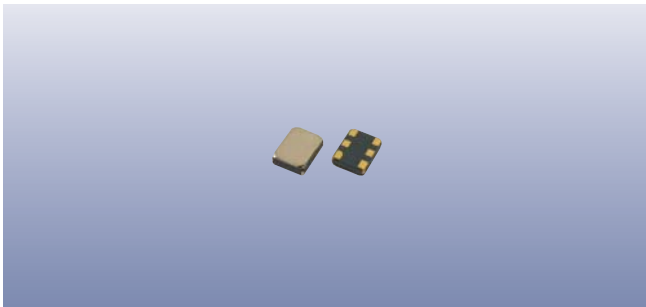




Product Description

Description:	125.0MHz GVXO-L33L/B LVDS VCXO
Product family:	GVXO-L33
Category:	VCXO
Order code:	MP09348

Features

- Complementary LVDS outputs
- Enable / disable tristate function

Additional Information

For further information regarding packaging, construction, material composition, soldering profile and environment, please refer to **GVXO-L33 Product Information sheet**

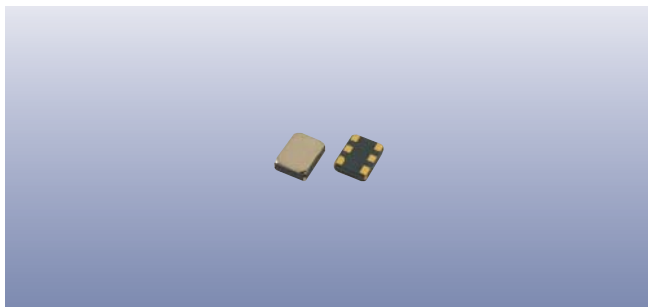
For dimensions, refer to package drawing: **D0344-B**

Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	125.0MHz	
Frequency stability:	±50ppm max	Inclusive of operating temperature range, supply voltage change & ageing, with $V_{CTL} = +1.65V$.
Frequency pullability:	±50ppm min	
Control voltage range:	+1.65V	±1.50V, 10% linearity.
Operating temperature range:	-10 to +70°C	
Storage temperature range:	-40 to +85°C	
Supply voltage (V_{DD}):	+3.3V	±5%
Supply current:	25mA max	
Output waveform:	LVDS	
Offset voltage:	+1.25V typ	
Differential output voltage:	+0.35V typ	
Waveform symmetry:	45:55 max	@50%Vp-p
Rise/fall time:	0.4ns max	20% ~ 80%Vp-p
Phase jitter:	1ps max	12kHz to 20MHz

Enable / Disable Function

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



Packaging & Handling

Production quantities supplied on T&R, 2k pcs per reel.
Small quantities may be supplied on tape (no reel), or in bulk.



♦ Static sensitive product. Observe proper handling precautions

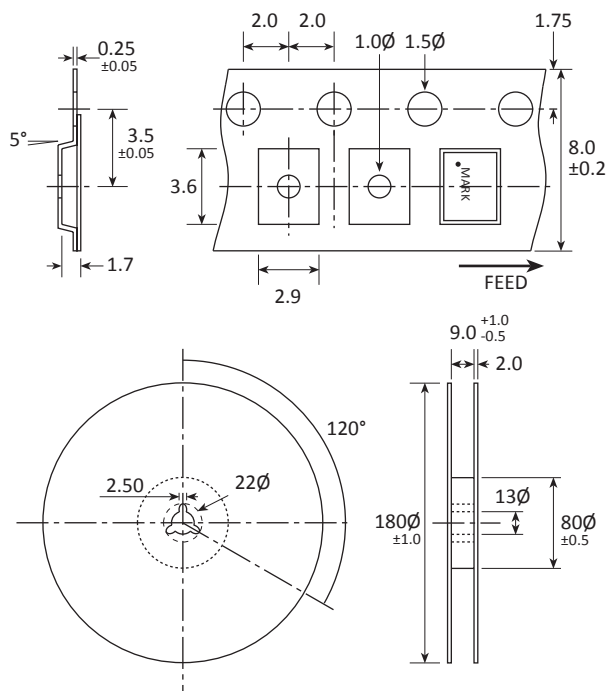
Marking

FREQUENCY DC
• PARTNO

• Pin 1
Marking type: Laser
DC = Date code in YM, eg "FE" = May 2016

	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

Tape & Reel Specification



Not to scale. Dimensions in mm. Tolerances ±0.1mm unless otherwise stated.

Construction

- ▮ Ceramic body with gold-plated pads
- ▮ Metal lid, seam sealed

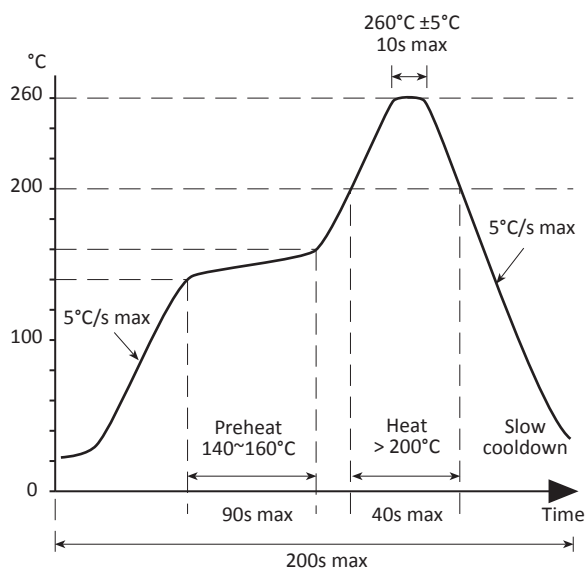
Composition

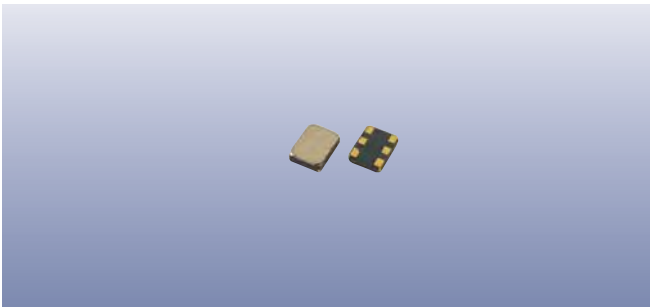


This product is lead-free, and is fully compliant with current RoHS directives



Soldering Profile





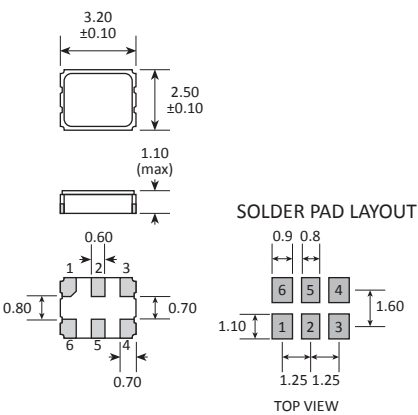
Product Family

GVXO-E33, GVXO-L33

Construction

- ▮ Ceramic body with gold-plated pads
- ▮ Metal lid, seam sealed

Dimensions (mm)



PAD	CONNECTION
1	Control voltage
2	Enable / disable
3	Ground
4	Output 1 (Q)
5	Output 2 ($\bar{Q}$)
6	Supply