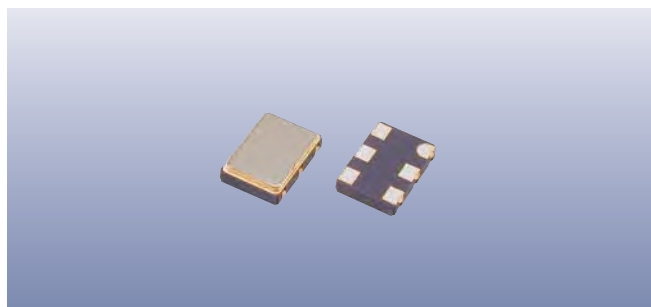
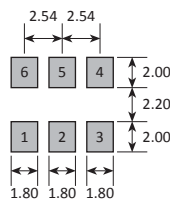


SOLDER PAD LAYOUT



TOP VIEW

PAD	CONNECTION
1	Control voltage
2	Enable / disable
3	Ground
4	Output 1 (Q)
5	Output 2 (Q)
6	Supply

Features

- ➡ Frequencies up to 800MHz
- ➡ Complementary LV-PECL outputs
- ➡ Fast rise / fall times
- ➡ Enable / disable tristate function

Enable / Disable Function

Input (pad 2) *	Output 1 (pad 4)	Output 2 (pad 5)
Open	Active	Active
'1' level V_{IH}	High ('1')	High ('0')
'0' level V_{IL}	Active	Active

* Note: '0' level = $V_{IL} \leq V_{CC} - 1.60V$, '1' level = $V_{IH} \geq V_{CC} - 1.10V$

Specifications

Parameters	Product	Option Codes
	GVXO-54	
Frequency range:	12.0 ~ 800MHz	■
Voltage control (V_{CTL}): +1.65V $\pm$ 1.50V, 10% linearity	■	
Frequency pullability (min): $\pm$ 150ppm Other	■ □	specify
Frequency stability*: $\pm$ 50ppm $\pm$ 25ppm Other	■ □ □	B C specify
Operating temperature range: -10 to +70°C -40 to +85°C	■ □	I
Storage temperature range: -40 to +85°C	■	
Supply voltage (V_{DD}): +3.3V ($\pm$ 5%)	■	
Supply current: 65mA max ($\leq$ 100MHz) 120mA max ($>$ 100 ~ 800MHz)	■ ■	
Output: Complementary PECL	■	
Test load: $R_T = 50\Omega$ $V_T = 1.3V$	■ ■	
Logic levels: '0' level = +1.7V max '1' level = +2.2V min	■ ■	
Waveform symmetry: 40:60 max @ 50% V_{p-p}	■	
Rise / fall time: 1.5ns max (20% ~ 80% V_{p-p})	■	
Phase jitter: 5ps max (12kHz~20MHz)	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

* Frequency stability is inclusive of operating temperature range, supply voltage change and ageing, with $V_{CTL} = +1.65V$

Ordering Information

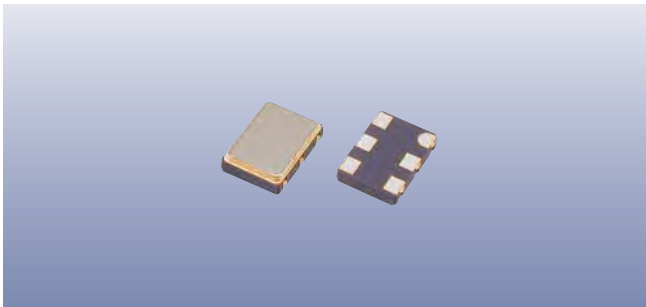
Product + option codes + frequency

eg: **GVXO-54/C 155.520MHz** $\pm$ 25ppm stability -10+70°C

GVXO-54/BI 77.760MHz $\pm$ 50ppm stability -40+85°C

Option codes must be included to specify a model completely.

Option code X (eg GVXO-54/X) denotes a custom spec.



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

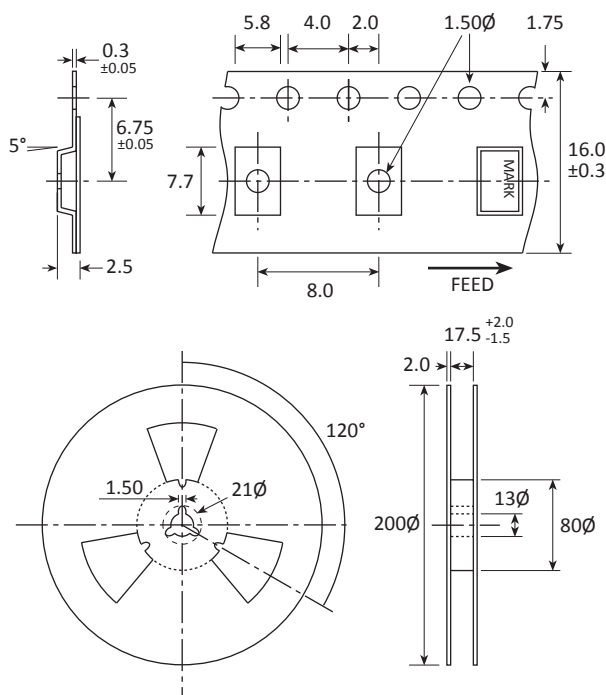
Marking

GOLLEDGE
FREQUENCY
• PARTNO DC

• Pin 1
Marking type: Laser
DC = Date code in YM, eg "CE" = May 2003

	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 ± 0.1 mm 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 the RoHS 2 directive 2011/65/EU



Soldering Profile

