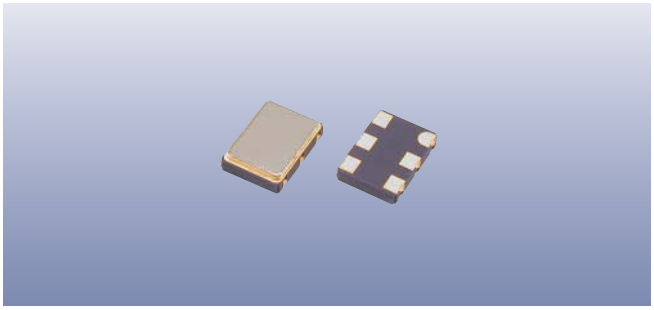
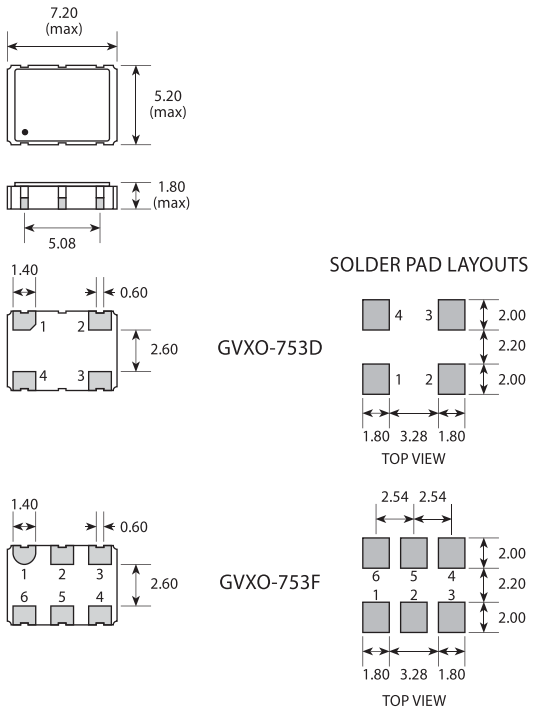
3.3V SM VCXO

GVXO-753





CONNECTION		
PAD	Variant D	Variant F
1	Control voltage	Control voltage
2	Ground	Enable/Disable
3	Output	Ground
4	Supply	Output
5	-	Not connected
6	-	Supply

Features

- **3.3V supply**
- **Low cost for volume applications**
- **Enable / disable tristate function (6-pad)**

Enable / Disable Function (GVXO-753F)

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

Specifications

GVXO-753D: 4 pads, No Enable / Disable

GVXO-753F: 6 pads, Enable / Disable function

Parameters	Variant D	Variant F	Option Codes
Package: 4 pads, 5.08mm pitch	■		
6 pads, 2.54mm pitch		■	
Frequency range: 1.50 ~ 54.0MHz	■	■	
Voltage control:			
+1.65V ±1.50V, 10% linearity	■	■	
Frequency pullability (min):			
±50ppm	□	□	N
±100ppm	■	■	S
±120ppm	□	□	V
Other	□	□	specify
Frequency stability (max):			
±50ppm	■	■	B
±25ppm	□	□	C
Other	□	□	specify
Operating temperature range:			
-20 to +70°C	■	■	
-40 to +85°C	□	□	I
Other	□	□	specify
Storage temperature range:			
-40 to +85°C	■	■	
Supply voltage (V_{DD}):			
+3.3V (±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 @ 1kHz	■	■	

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

Ordering Information

Product + option codes + frequency

eg: **GVXO-753D/SC 16.384MHz** ±100ppm pullability, ±25ppm stability

GVXO-753F/VB 35.3280MHz ±120ppm pullability, ±50ppm stability

Option codes must be included to fully specify a model.

Option code X (eg GVXO-753F/X) denotes a custom spec.

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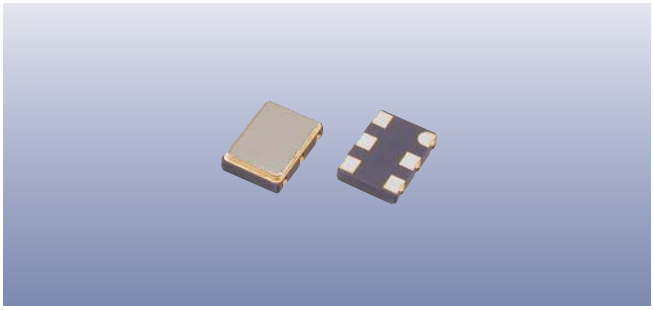
Golledge

15 Sep 2009

Product Information

GVXO-753



Packaging & Handling

Production quantities supplied on T&R, 1k pcs per reel.
Small quantities may be supplied on tape (no reel), or in bulk.

- Static sensitive product. Observe proper handling precautions

Marking

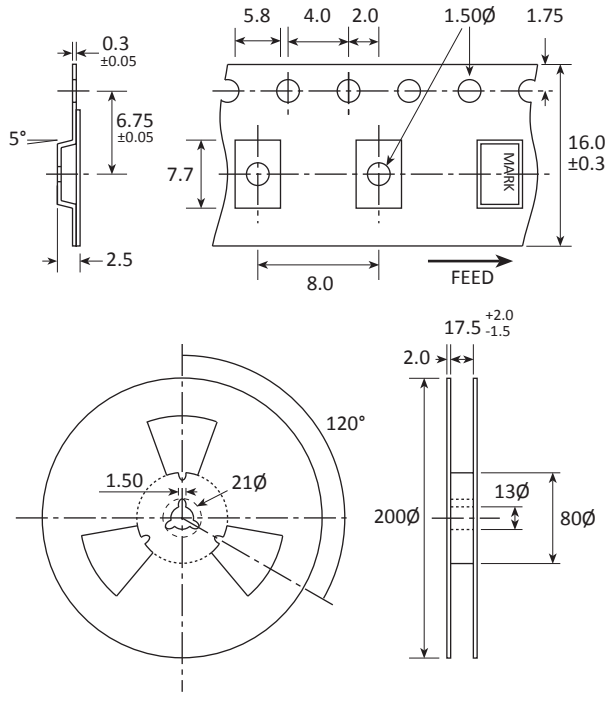
GOLLEDGE
FREQUENCY
• PARTNO DC

- 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 ±0.1mm unless otherwise stated

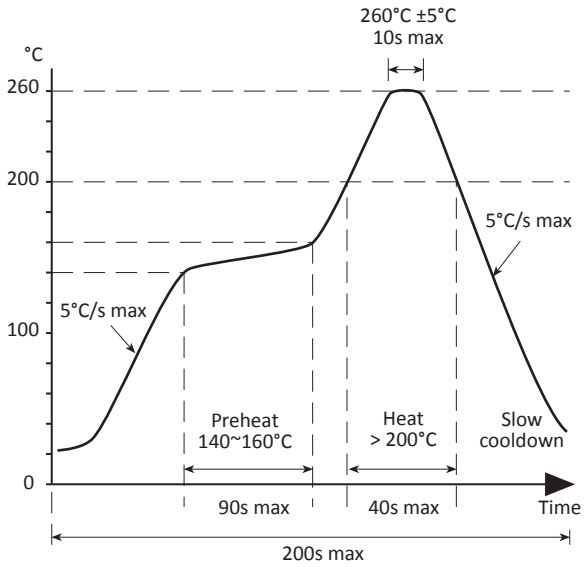
Construction

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

Composition

RoHS 2002/95/EC

This product is lead-free, and is fully compliant with the RoHS directive 2002/95/EC

Pb LeadFree

Soldering Profile