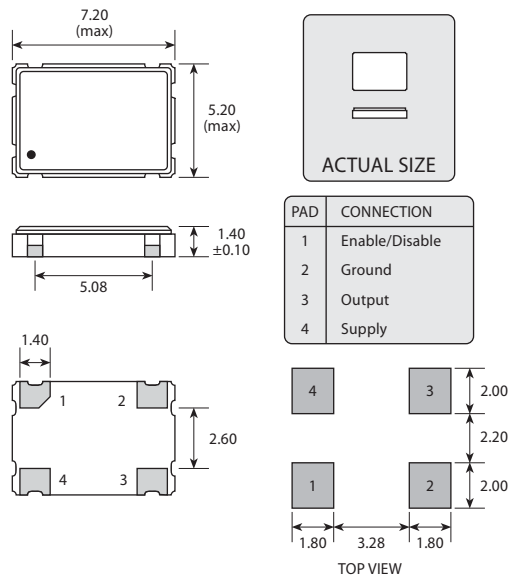


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Features

- Supply voltages from 1.8V ~ 3.3V
- Low power consumption
- Enable / disable tristate function
- Low phase noise and jitter
- Excellent frequency stability

Standard Frequencies

Frequencies in MHz	
5.00000	24.00000
10.00000	32.00000
12.00000	40.00000
16.00000	44.00000
20.00000	

Other frequencies available. Please consult our sales office.

Enable / Disable Function

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

Specifications

GTXO-C75G: 1.8V supply

GTXO-C75J: 2.5V supply

GTXO-C75L: 3.3V supply

Parameters	Variant			Option Codes
	G	J	L	
Frequency range: 0.675 ~ 55.0MHz	■	■	■	
Calibration tolerance: ±0.5ppm @ +25°C ±2°C	■	■	■	
Temperature stability: ±3.0ppm ±2.5ppm	□	□	□	K J
Temperature range: 0 to +50°C -10 to +60°C -20 to +70°C -30 to +75°C -40 to +85°C	□	□	□	R C N S I
Storage temperature range: -40 to +125°C	■	■	■	
Ageing: ±1.0ppm max first year	■	■	■	
Supply voltage (V_{DD}): +1.8V (±5%) +2.5V (±5%) +3.3V (±5%)	■	■	■	
Supply current (mA): ≤10MHz >10.0 ~ 20.0MHz >20.0 ~ 30.0MHz >30.0 ~ 40.0MHz >40.0 ~ 55.0MHz	4.8 5.0 6.8 9.0 13.5	4.8 5.0 6.8 9.0 13.5	6.4 9.1 15.2 18.6 25.0	
Frequency vs supply voltage: ±0.2ppm, V_{DD} ±5%	■	■	■	
Driving ability: 15pF CMOS	■	■	■	
Logic levels: '0' level = 10% V_{DD} max '1' level = 90% V_{DD} min	■	■	■	
Waveform symmetry: 45:55 @ 50% V_{DD}	■	■	■	
Rise / fall time: 5ns max	■	■	■	
Frequency vs load: ±0.2ppm, Z_L ±10%	■	■	■	
Enable / disable function: Tristate (control via pad 1)	■	■	■	
Standby current: 10µA max	■	■	■	
Phase noise (typ): -145dBc/Hz @ 10kHz	■	■	■	
Period jitter RMS: 3ps typ	■	■	■	

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

Ordering Information

Product name + variant + option codes + frequency
Option codes must be included to properly specify a model.
eg: **GTXO-C75L/JS 24.00MHz** 3.3V supply, ±2.5ppm -30/+75°C
GTXO-C75G/KN 40.0MHz 1.8V supply, ±3.0ppm -20/+70°C
Option code X (eg GTXO-C75L/X) denotes a custom spec.

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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

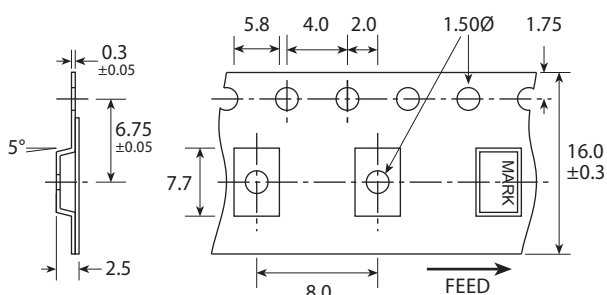
Marking

S DC
FREQUENCY

Marking type: Laser
DC = Date code in YM, eg "AB" = Feb 2011

	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**

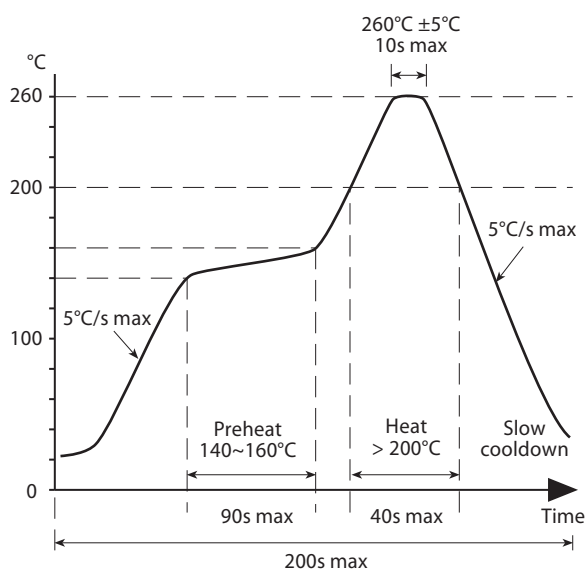
Composition



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



Soldering Profile



Solder resistance: 260°C x 10 secs x 2.