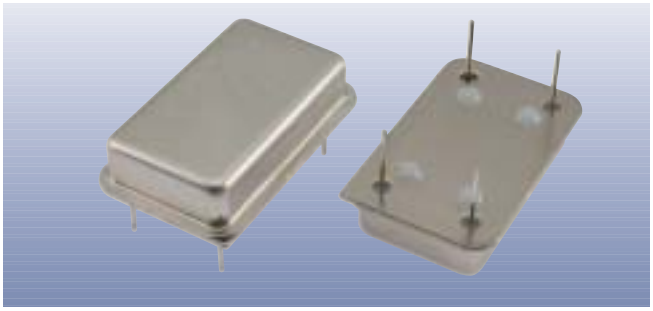
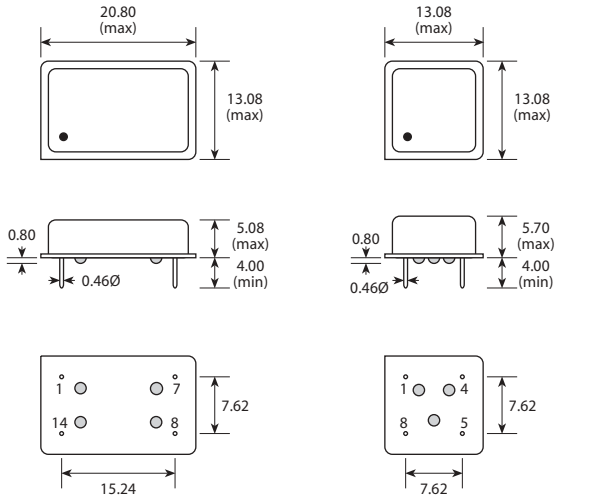
3.3V Tristate Oscillator

GXO-U103





PIN	CONNECTION	PIN
1	Enable/Disable	1
7	Ground	4
8	Output	5
14	Supply	8

Scale 1:1

Features

- **Enable / disable tristate mode**
- **Tight tolerance options**
- **Express manufacturing service**
- **Custom frequencies easily available**
- **Low cost for volume applications**
- **Industrial temperature range option**

Enable / Disable Function

Input (pin 1)	Output (pin 5 or 8)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

Specifications

GXO-U103F: Full size(14 pin DIL)

GXO-U103H: Half size (8 pin DIL)

Parameters	Variant F	Variant H	Option Codes
Package style: 14 pin DIL (full size)	■		
8 pin DIL (half size)		■	
Frequency range:			
125kHz ~ 200MHz	■	■	
Frequency stability: ±100ppm	■	■	
±50ppm	□	□	B
±25ppm	□	□	A
Other	□	□	specify
Operating temperature range:			
0 to +70°C	■	■	
-40 to +85°C	□	□	I
Storage temperature range:			
-55 to +125°C	■	■	
Supply voltage (V_{DD}): +3.3V (±5%)	■	■	
Supply current (max):			
10mA (125kHz ~ 0.99MHz)	■	■	
15mA (1.0 ~ 5.0MHz)	■	■	
20mA (>5.0 ~ 24.0MHz)	■	■	
25mA (>24.0 ~ 70.0MHz)	■	■	
35mA (>70.0 ~ 90.0MHz)	■	■	
45mA (>90 ~ 200MHz)	■	■	
Driving ability:			
30pF HCMOS / 5 LSTTL	■	■	
Output voltage:			
'0' level = 0.4V max	■	■	
'1' level = 90% V_{DD} min	■	■	
Start up time: 10ms max	■	■	
Rise / fall times:			
6ns max (<80.0MHz)	■	■	
5ns max (>80.0MHz)	■	■	
Waveform symmetry @ 50% V_{DD}:			
45:55 max (<50.0MHz)	■	■	
40:60 max (>50.0MHz)	■	■	
Enable / disable function:			
Tristate (control via pin 1)	■	■	
Output enable/disable time (typ):			
100ns / 100ns	■	■	

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

Ordering Information

Product name + variant + option codes (if any) + frequency

eg: **GXO-U103F 40.0MHz** ±100ppm 0+70°C (standard)

GXO-U103F/BI 40.0MHz ±50ppm -40+85°C

Option code X (eg GXO-U103F/X) denotes a custom spec.

◆ Gull wing version available for SM. Refer to our website for details.

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