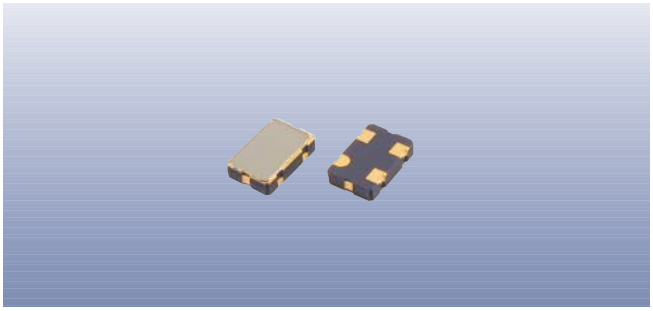
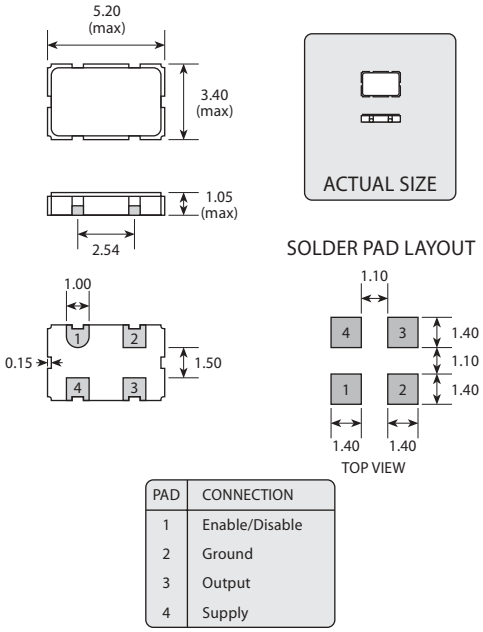
3.3V & 5V CMOS Oscillator

GXO-U115





PAD	CONNECTION
1	Enable/Disable
2	Ground
3	Output
4	Supply

Scale 3:1

Features

- **Smallest size SM oscillator**
- **Ceramic package with metal lid**
- **High drive capability - up to 50pF**
- **Enable / disable tristate function**
- **3.3V option with power saving function**

Standard Frequencies

Frequencies in MHz		
1.84320	14.31818	32.00000
2.00000	16.00000	33.33300
3.68640	20.00000	36.86400
4.00000	25.00000	40.00000
5.00000	27.00000	125.00000*
8.00000	28.22400	155.52000*
10.00000	29.49120	
12.00000	30.00000	

Other frequencies available. Please consult our sales office. * L variant only

Enable / Disable Function

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

Specifications

GXO-U115S: 5.0V supply, E/D, low supply current

GXO-U115H: 5.0V supply, E/D high drive

GXO-U115L: 3.3V supply, E/D with power saving

Parameters		Variant S	Variant H	Variant L	Option Codes
Frequency range:	1.8 ~ 50.0MHz	■	■		
	1.8 ~ 156MHz			■	
Frequency stability:	±100ppm	■	■	■	
	±50ppm	□	□	□	B
	±25ppm	□	□	□	A
Operating temperature range:					
	-10 to +70°C	■	■	■	
	-40 to +85°C	□	□	□	I
Storage temperature range:					
	-55 to +125°C	■	■	■	
Supply voltage (V_{DD}):					
	+5.0V (±10%)	■	■		
	+3.3V (±10%)			■	
Supply current (mA max):					
	1.8 ~ 50.0MHz	35	45	18	
	>50.0 ~ 67.0MHz			18	
	>67.0 ~ 125.0MHz			40	
	>125 ~ 156MHz			50	
Logic levels:					
	'0' level = 10%V_{DD} max	■	■	■	
	'1' level = 90%V_{DD} min	■	■	■	
Start up time:	10ms max	■	■	■	
Waveform symmetry:					
	40:60 max @ 50%V_{DD}	■	■	■	
Driving ability:	10 LSTTL	■		■	
	15pF HCMOS	■		■	
	10 TTL		■		
	50pF HCMOS		■		
Rise / fall time:	10ns max	■			
	7ns max		■	■	
Enable / disable function:					
	Tristate (control via pad 1)	■	■	■	
	100ns / 100ns max	■	■		
	10ms / 150ns max			■	
Stand-by current (power-saving):					
	10µA			■	

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

Ordering Information

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

eg: **GXO-U115H 40.0MHz** 5V, ±100ppm -10+70°C

GXO-U115L/BI 40.0MHz 3.3V, ±50ppm -40+85°C

Option code X (eg GXO-U115H/X) denotes a custom spec.

- Available on T&R - 2k pcs per reel.
- Refer to our website for T&R and soldering details.

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Golledge

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