



Scale 3:1

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			Option Codes
	S	H	L	
Frequency range: 1.8 ~ 50.0MHz 1.8 ~ 156MHz	■	■	■	
Frequency stability: ±100ppm ±50ppm ±25ppm	■ □ □	■ □ □	■ □ □	B 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 >50.0 ~ 67.0MHz >67.0 ~ 125.0MHz >125 ~ 156MHz	35	45	18 18 40 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

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

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.