



Features

- **5 ECL gate output, ECL 10KH compatible**
- **Single or complementary dual output**
- **Negative or positive power supply**
- **Enable / disable tristate option**

Pad Connections

Pad	Connections	
	GXO-E93NS Neg supply, single output	GXO-E93ND Neg supply, dual output
1	NC or Enable/disable	Output 2
2	Not connected	Not connected
3	Supply (-ve)	Supply (-ve)
4	Output	Output 1
5	Not connected	Not connected
6	Ground	Ground
1	GXO-E93PS Pos supply, single output	GXO-E93PD Pos supply, dual output
	NC or Enable/disable	Output 2
2	Not connected	Not connected
3	Ground	Ground
4	Output	Output 1
5	Not connected	Not connected
6	Supply (+ve)	Supply (+ve)

Specifications

- GXO-E93NS: Negative supply, single output**
- GXO-E93ND: Negative supply, dual output**
- GXO-E93PS: Positive supply, single output**
- GXO-E93PD: Positive supply, dual output**

Specifications

Parameters	Variant				Option Codes
	NS	ND	PS	PD	
Frequency range: 30.0 ~ 200MHz	■	■	■	■	
Frequency stability: ±100ppm ±50ppm	■	■	■	■	B
Operating temperature range: -10 to +70°C	■	■	■	■	
Storage temperature range: -55 to +125°C	■	■	■	■	
Supply voltage (V_{DD}): -5.2V (±5%) +5.0V (±5%)	■	■	■	■	
Supply current (max): 50mA (30.0 ~ 170MHz) 60mA (30.0 ~ 170MHz) 70mA (170 ~ 200MHz)	■	■	■	■	
Driving ability: 5 ECL gates	■	■	■	■	
Logic levels: '0' level = -1.6V max '1' level = -0.98V min '0' level = +3.42V max '1' level = +4.0V min	■	■	■	■	
Start up time: 10ms max	■	■	■	■	
Rise / fall time (20 ~ 80% V_{p,p}): 2.0ns (30.0 ~ 200MHz)	■	■	■	■	
Waveform symmetry: 40:60 max	■	■	■	■	
Output: Single output Complementary Dual output	■	■	■	■	
Enable / disable function: None (pad 1 NC) Tristate (control via pad 1)	■	■	■	■	E

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

Ordering Information

Product name + variant + option codes (if any) + frequency
 eg: **GXO-E93PD 120MHz**
GXO-E93NS/BE 160MHz ±50ppm, Enable / disable
 Option code X (eg GXO-E93NS/X) denotes a custom spec.