

Product Overview

MC100LVEP05: ECL 2-Input Differential AND/NAND Gate

For complete documentation, see the data sheet.

The MC100LVEP05 is a 2-input differential AND/NAND gate. The MC100LVEP05 is the low voltage version of the MC100EP05 and is functionally equivalent to the EL05 and LVEL05 devices. With AC performance much faster than the LVEL05 device, the EP05 is ideal for low voltage applications requiring the fastest AC performance available. The 100 Series contains temperature compensation.

Features

- Low Output Jitter
- 3 GHz Max Operating Frequency

Benefits

- Improved System Performance

Applications

- Any application where a high-speed (and low-speed) AND/NAND function is needed.

Part Electrical Specifications

Product	Compliance	Status	Type	Channels	Input Level	Output Level	V _{CC} Typ (V)	f _{Toggle Max} (MHz)	t _{pd} Typ (ns)	t _{Jitter} Typ (ps)	t _R & t _F Max (ps)	Package Type
MC100LVEP05DTG	Pb-free	Active	AND/NAND	1	ECL	ECL	3.3	3000	0.22	0.2	170	TSSOP-8
	Halide free				LVDS		2.5					
					CML							
MC100LVEP05DTR2G	Pb-free	Active	AND/NAND	1	CML	ECL	3.3	3000	0.22	0.2	170	TSSOP-8
	Halide free				ECL		2.5					
					LVDS							
MC100LVEP05MNTXG	Pb-free	Active	AND/NAND	1	ECL	ECL	2.5	3000	0.22	0.2	170	DFN-8
	Halide free				LVDS		3.3					
					CML							

For more information please contact your local sales support at www.onsemi.com.

Created on: 10/16/2019