

Product Overview

MC10H131: Dual Type Master-Slave D Flip-Flop

For complete documentation, see the data sheet.

The MC10H131 is a MECL 10H part which is a functional/pinout duplication of the standard MECL 10K family part, with 100% improvement in clock speed and propagation delay and no increase in power-supply current.

Features

- Propagation Delay, 1.0 ns Typical
- Power Dissipation, 235 mW Typical
- Improved Noise Margin 150 mV (Over Operating Voltage and Temperature Range)
- Voltage Compensated
- MECL 10K Compatible
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Compliance	Status	Type	Bits	Input Level	Output Level	V _{CC} Typ (V)	t _{jitter} Typ (ps)	t _{pd} Typ (ns)	t _{su} Min (ns)	t _h Min (ns)	t _{rec} Typ (ns)	t _R & t _F Max (ps)	f _{Toggle} Typ (MHz)	Package Type
MC10H131FNG	Pb-free Halide free	Active	D-Type	2	ECL	ECL	-5.2		1.25	0.7	0.8		2000	250	PLLC-20
MC10H131FNR2G	Pb-free Halide free	Active	D-Type	2	ECL	ECL	-5.2		1.25	0.7	0.8		2000	250	PLLC-20
MC10H131PG	Pb-free Halide free	Active	D-Type	2	ECL	ECL	-5.2		1.25	0.7	0.8		2000	250	PDIP-16

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

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