

Product Overview

MC74HC1G04: Single Inverter

For complete documentation, see the data sheet.

The MC74HC1G04 is a high speed CMOS inverter fabricated with silicon gate CMOS technology. The internal circuit is composed of multiple stages, including a buffer output which provides high noise immunity and stable output. The MC74HC1G04 output drive current is 1/2 compared to MC74HC series.

Features

- High Speed: $t_{PD} = 7\text{ns}$ (Typ) at $V_{CC} = 5\text{V}$
- Low Power Dissipation: $I_{CC} = 1\text{mA}$ (Max) at $T_A = 25^\circ\text{C}$
- High Noise Immunity
- Balanced Propagation Delays ($t_{pLH} = t_{pHL}$)
- Symmetrical Output Impedance ($I_{OH} = I_{OL} = 2\text{mA}$)
- Chip Complexity: FET = 105; Equivalent Gate = 26

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Channels	V_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_o Max (mA)	Package Type
MC74HC1G04DBVT1G	0.0213	Pb-free Halide free	Active	Inverter	1	2	6	20	2	SC-74A
MC74HC1G04DFT1G	0.0533	Pb-free Halide free	Active	Inverter	1	2	6	20	2	SC-88A / SC-70-5
MC74HC1G04DFT2G	0.0672	Pb-free Halide free	Active	Inverter	1	2	6	20	2	SC-88A / SC-70-5
MC74HC1G04DTT1G	0.0533	Pb-free Halide free	Active	Inverter	1	2	6	20	2	TSOP-5 / SOT-23-5
NLVHC1G04DFT1G	0.092	AEC Qualified PPAP Capable Pb-free Halide free	Active	Inverter	1	2	6	20	2	SC-88A / SC-70-5
NLVHC1G04DFT2G	0.12	AEC Qualified PPAP Capable Pb-free Halide free	Active	Inverter	1	2	6	20	2	SC-88A / SC-70-5

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

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