

Product Overview

NCP81074: Small, High Speed Low Side MOSFET Driver with 10A sink/source capability

For complete documentation, see the data sheet.

The NCP81074 is a single channel, low side MOSFET driver capable of sinking and sourcing up to 10A. This driver can deliver 7A peak current at the Miller plateau region to overcome the Miller effect with MOSFETs during switching. Split output configurations allow the ability to adjust the on and off slew rates. The parts are offered in a SOIC8 and 2mm by 2mm DFN package.

Features

- High Current Drive Capability
- Dual Input Design

Applications

- Isolated bricks
- Telecom and Data Center Equipment
- Industrial motors

Benefits

- Reduce switching losses
- Allows differential input signal for more control

End Products

- Isolated power in server, telecom, and data center equipment
- Motor control
- Secondary synchronous rectifier

Part Electrical Specifications

Product	Compliance	Status	Type	Number of Drivers	V_{in} Max (V)	V_{CC} Max (V)	Drive Source/Sink Typ (mA)	Rise Time (ns)	Fall Time (ns)	t_p Max (ns)	Package Type
NCP81074ADR2G	Pb-free	Active	MOSFET	1	20	20	10000/10000	7	7	17	SOIC-8
	Halide free										
NCP81074AMNTBG	Pb-free	Active	MOSFET	1	20	20	10000/10000	7	7	17	DFN-8
	Halide free										
NCP81074BDR2G	Pb-free	Active	MOSFET	1	20	20	10000/10000	7	7	17	SOIC-8
	Halide free										
NCP81074BMNTBG	Pb-free	Active	MOSFET	1	20	20	10000/10000	7	7	17	DFN-8
	Halide free										

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Created on: 2/23/2018