

製品概要

NCP5109: MOSFET / IGBT Drivers, Dual Input, High Voltage, High and Low Side, 200 V

技術情報は、データシートをご参照ください。

The NCP5109 is a High Voltage gate Driver IC providing two outputs for direct drive of 2 N-channel power MOSFETs or IGBTs arranged in a half-bridge configuration version B or any other high-side + low-side configuration version A. It uses the bootstrap technique to insure a proper drive of the High-side power switch. The driver works with 2 independent inputs. NCP5109 = 200V/NCP5106 = 600V

特長

- High Voltage Range: Up to 200 V
- dV/dt Immunity 50 V/nsec
- Gate Drive Supply Range from 10 V to 20 V
- High and Low Drive Outputs
- Output Source / Sink Current Capability 250 mA / 500 mA
- 3.3 V and 5 V Input Logic Compatible
- Up to Vcc Swing on Input Pins
- Matched Propagation Delays Between Both Channels
- Outputs in Phase with the Inputs
- Independent Logic Inputs to Accommodate All Topologies (Version A)

For more features, see the data sheet

アプリケーション

- Current Fed push-pull converters
- Half and Full Bridge power converters
- Two switch forward power converters

最終製品

- Solid state motor drives

電氣的仕様

製品	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
NCP5109ADR2G	Pb-free Halide free	Active	MOSFET or IGBT	2	200	23	250 / 500	85	35	170	SOIC-8
NCP5109AMNTWG	Pb-free Halide free	Active	MOSFET or IGBT	2	200	23	250 / 500	85	35	170	DFN-10
NCP5109BDR2G	Pb-free Halide free	Active	MOSFET or IGBT	2	200	23	250 / 500	85	35	170	SOIC-8
NCP5109BMNTWG	Pb-free Halide free	Active	MOSFET or IGBT	2	200	23	250 / 500	85	35	170	DFN-10

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

7/18/2019 作成