

Product Overview

NCP1092: Controller, PoE-PD interface, integrated, with Vaux support

For complete documentation, see the data sheet.

The NCP1090, NCP1091 and NCP1092 are members of ON Semiconductor's high power HIPO™ Power over Ethernet Powered Device (PoE-PD) product family and integrate an IEEE 802.3af PoE-PD interface controller.

Features

- Fully supports IEEE 802.3af specifications
- 500 mA operational current limit
- Industrial temperature range 40°C to 85°C with full operation up to 125°C junction temperature
- Vertical N-Channel DMOS pass switch offers the robustness of discrete MOSFETs

Applications

- Wireless access points
- Voice over IP products
- IP camera

Benefits

- Broad compatibility with power sourcing equipment
- Headroom above the IEEE 802.3af power limitation
- Extended operational range
- More durable than most integrated products

End Products

- WiMax
- WiFi
- Motor control

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{SW} Typ (kHz)	Package Type
NCP1092DBRG		Pb-free Halide free	Active					57		TSSOP-8
NCP1092DG		Pb-free Halide free	Active					57		SOIC-8
NCP1092DRG		Pb-free Halide free	Active					57		SOIC-8

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

Created on: 4/7/2020