

NCP3064

Boost / Buck / Inverting Converter, Switching Regulator, 1.5 A, with On / Off Function

Product Overview

For complete documentation, see the data sheet.

Features

- Operation up to 40 V Input
- Frequency operation up to 150 kHz (250 kHz if used as a controller)
- Internal thermal Shutdown with hysteresis
- Cycle-by-Cycle Current Limiting
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Applications

- NCV3064 available for automotive applications
- Cigarette Lighter Adapter (CLA)

End Products

- Battery Charger

Part Electrical Specifications

Product	Status	Compliance	Top olog y	Cont rol Mod e	V _{CC} Min (V)	V _{CC} Max (V)	V _O Typ (V)	I _O Typ (A)	Effici ency (%)	f _{sw} Typ (kHz)	Pack age Typ e	Cas e Outli ne	MSL Typ e	MSL Tem p (°C)	Cont aine r Typ e	Cont aine r Qty.
NCP3064BDR2G	Active		Step - Up/ Step - Dow n	Hyst ereti c	3	40	40	1.5	85	150	SOI C-8	751- 07.P DF	1	260	REE L	250 0
NCP3064BMNTXG	Active		Step - Up/ Step - Dow n	Hyst ereti c	3	40	40	1.5	85	150	DFN -8	488 AF.P DF	1	260	REE L	400 0
NCP3064DR2G	Active		Step - Up/ Step - Dow n	Hyst ereti c	3	40	40	1.5	85	150	SOI C-8	751- 07.P DF	1	260	REE L	250 0
NCP3064MNTXG	Active		Step - Up/ Step - Dow n	Hyst ereti c	3	40	40	1.5	85	150	DFN -8	488 AF.P DF	1	260	REE L	400 0