

製品概要

NCV47701: LDO Regulator, 350 mA, Low Dropout, High PSRR

技術情報は、データシートをご参照ください。



The NCV47701 is a 350 mA output current integrated low dropout regulator designed for use in harsh automotive environments. It includes wide operating temperature and input voltage ranges. The device is offered with adjustable voltage versions available in 3% output voltage accuracy. It has a high peak input voltage tolerance and reverse input voltage protection. It also provides overcurrent protection, overtemperature protection and enable for control of the state of the output voltage. The integrated current sense feature provides diagnosis and system protection functionality. The current limit of the device is adjustable by resistor connected to CSO pin. Voltage on CSO pin is proportional to output current.

特長

- Enable Input
- Adjustable Current Limit (from 10 mA to 350 mA) with 10% accuracy
- AEC-Q100 Qualified
- Adjustable Voltage Version (from 5 V to 20 V) 3% Output Voltage
- Protection: Current Limitation, Thermal Shutdown, Reverse Input Voltage

利点

- Save battery life - quiescent current down to 10µA max.
- Current sense feature provides diagnosis and system protection functionality.
- Meets automotive qualification requirements.

アプリケーション

- Audio and Infotainment System
- Instrument Cluster
- Navigation
- Satellite Radio

最終製品

- Automotive

電気的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	V_O (V)	I_O Typ (A)	V_I Min (V)	V_I Max (V)	V_{DO} Typ (V)	I_q Typ (mA)	PSRR (dB)	Noise (μV_{rms})	Enable	Power Good	Package Type
NCV47701DAJR2G	1.0266	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	Adj	0.35	-42	40	0.25	0.15	70	100	Yes	No	SOIC-8
NCV47701PDAJR2G	0.7733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	Adj	0.35	-42	40	0.25	0.15	70	100	Yes	No	SOIC-8 EP

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。

12/6/2019 作成