

製品概要

NCV47722: High Side Switch with Adjustable Current Limit and Diagnostic Features

技術情報は、データシートをご参照ください。

The NCV47722 High Side Switch (HSS) with 250 mA per channel is designed for use in harsh automotive environments. The device has a high peak input voltage tolerance and reverse input voltage, reverse bias, overcurrent and overtemperature protections. The integrated current sense feature (adjustable by resistor connected to CSO pin for each channel) provides diagnosis and system protection functionality. The CSO pin output current creates voltage drop across CSO resistor which is proportional to output current of each channel. Extended diagnostic features in OFF state are also available and controlled by dedicated input and output pins.

特長

- Enable Input (3.3 V Logic Compatible)
- Adjustable Current Limits: up to 350 mA
- Diagnostic Features:
Short to Battery and Open Load detection in OFF State
Internal Components for OFF State Diagnostics
Open Collector Flag Output
- Output Current: up to 250 mA
- 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.
- Provide diagnosis and system protection functionality.

アプリケーション

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

最終製品

- Automotive

電気的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Channels	r_{on} (mΩ)	I Max (A)	V_I Min (V)	V_I Max (V)	Package Type
NCV47722PAAJR2G	0.49	AEC Qualified PPAP Capable Pb-free Halide free	Active	1	-	0.35	4.4	40	TSSOP-14 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。

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