

製品概要

NCP663: LDO Regulator, 100 mA, Ultra-Low Iq

技術情報は、データシートをご参照ください。

This series of Low Quiescent Current Low Dropout (LDO) Linear Voltage Regulators initially designed for handheld communication equipment and portable battery powered applications can be used in automotive application requiring ultra low quiescent current. It should be used as post regulation device as the product is not protected against high input transient voltages inherent to automotive battery operation. This series features an ultra-low quiescent current of 2.5µA as well as an Enable pin that allows to decrease the current consumption down to 0.1µA typical. Each device contains a voltage reference unit, an error amplifier, a PMOS power transistor, resistors for setting output voltage, and protections such as current limit and temperature limit circuits. The NCV662 LDO Linear Voltage Regulator has been designed to be used with low cost ceramic capacitors and requires a minimum output capacitor of 0.1 µF. The device is housed in the micro-miniature SC82-AB surface mount package. Pb-free plating options are available. Standard voltage versions are 1.5, 1.8, 2.5, 2.7, 2.8, 3.0, 3.3, and 5.0 V.

特長

- Ultra Low Quiescent Current of 2.5 uA Typical
- Low Output Voltage Option down to 1.5V with +/-2% output voltage accuracy
- Temperature Range of -40C to 125C
- Enable pin
- Integrated protections Current Limit Thermal Shutdown

アプリケーション

- Automotive

最終製品

- Infotainment: Car, Satellite Radio Navigation systems
- Body Electronic

電氣的仕様

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)	PSR R (dB)	Noise (µV _{rms})	Enable	Power Good	Package Type
NCP663SQ15T1G	0.2029	Pb-free Halide free	Active	Single	Positive	1.5	0.1	2.5	6	0.68	0.0025		100	No	No	SC-82AB-4
NCP663SQ18T1G	0.238	Pb-free Halide free	Active	Single	Positive	1.8	0.1	2.5	6	0.5	0.0025		100	No	No	SC-82AB-4
NCP663SQ25T1G	0.204	Pb-free Halide free	Active	Single	Positive	2.5	0.1	2.5	6	0.3	0.0025		100	No	No	SC-82AB-4
NCP663SQ27T1G	0.238	Pb-free Halide free	Active	Single	Positive	2.7	0.1	2.5	6	0.28	0.0025		100	No	No	SC-82AB-4
NCP663SQ28T1G	0.238	Pb-free Halide free	Active	Single	Positive	2.8	0.1	2.5	6	0.28	0.0025		100	No	No	SC-82AB-4
NCP663SQ30T1G	0.2267	Pb-free Halide free	Active	Single	Positive	3	0.1	2.5	6	0.25	0.0025		100	No	No	SC-82AB-4
NCP663SQ33T1G	0.2143	Pb-free Halide free	Active	Single	Positive	3.3	0.1	2.5	6	0.23	0.0025		100	No	No	SC-82AB-4
NCP663SQ50T1G	0.2024	Pb-free Halide free	Active	Single	Positive	5	0.1	2.5	6	0.17	0.0025		100	No	No	SC-82AB-4

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。

11/11/2019 作成