



Product Overview

NCV8603: Linear Voltage Regulator, CMOS LDO, 300 mA, with Enable

For complete documentation, see the data sheet

Product Description

The NCV8603 provides 300mA of output current at fixed voltage options. It is designed for portable battery powered applications and offers high performance features such as low power operation, fast enable response time, and low dropout. The device is designed to be used with low cost ceramic capacitors and is packaged in the TSOP-5/SOT23-5.

Features

- Fast Enable Turnon Time of 15us
- Wide Supply Voltage Range Operating Range
- Excellent Line and Load Regulation
- Typical Noise Voltage of 50uVrms without a Bypass Capacitor
- Enhanced ESD Protection (HBM 3.5 kV, MM 400 V)

Applications

- SMPS PostRegulation
- Noise Sensitive Circuits VCO, RF Stages, etc.
- Handheld Instrumentation & Audio Players

End Products

- Camcorders and Cameras

Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Max (V)	V _{DO} Typ (V)	I _q Typ (mA)	PSRR (dB)	Noise (μV _{rms})	Package Type
NCV8603SN33T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.3	6.5	0.157	0.145	55	50	TSOP-5 / SOT-23-5

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

Created on: 7/11/2015