



Product Overview

NCV8703: 300 mA, Ultra-Low Quiescent Current, Ultra-Low Noise, Low Dropout Regulator

For complete documentation, see the data sheet

Product Description

The NCV8703 is a low noise, low power consumption and low dropout Linear Voltage Regulator. With its excellent noise and PSRR specifications, the device is ideal for use in products utilizing RF receivers, imaging sensors, audio processors or any component requiring an extremely clean power supply. The NCV8703 uses an innovative Adaptive Ground Current circuit to ensure ultra low ground current during light load conditions.

Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Max (V)	V _{DO} Typ (V)	I _a Typ (mA)	PSRR (dB)	Noise (μV _{rms})	Package Type
NCV8703MX18TCG	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	1.8	0.3	5.5		0.012	68	13	XDFN-6
NCV8703MX28TCG	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	2.8	0.3	5.5		0.012	68	13	XDFN-6
NCV8703MX30TCG	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	3	0.3	5.5		0.012	68	13	XDFN-6
NCV8703MX33TCG	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	3.3	0.3	5.5		0.012	68	13	XDFN-6
NCV8703SN18T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	1.8	0.3	5.5		0.012	68	13	TSOP-5 / SOT-23-5
NCV8703SN28T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	2.8	0.3	5.5		0.012	68	13	TSOP-5 / SOT-23-5
NCV8703SN30T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	3	0.3	5.5		0.012	68	13	TSOP-5 / SOT-23-5
NCV8703SN33T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active		Positive	3.3	0.3	5.5		0.012	68	13	TSOP-5 / SOT-23-5

