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LX8213-12ISE (#78067)

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Status of product

■ In Production

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Overview

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Description

The LX8213 LDO regulator is part of Microsemi's family of positive voltage regulator ICs using CMOS technology. The device provides a compact and cost effective solution featuring low power consumption over a wide supply voltage range, high output voltage accuracy, low dropout, excellent line and load regulation, fast transient response, and low noise.

The LX8213 operates over a wide input voltage range of 2.5V to 6V, and consumes only 60uA typical quiescent current at no load and a low 0.1uA shutdown current. Output voltage options include fixed 1.0V, 1.2V, 3.3V, or an adjustable output voltage which may be set from 800mV to 5.5V. The LDO delivers up to 300mA of output current, with a fold-back current limit of approximately 400mA. At 300mA load, dropout voltage measures only 170mV for a 3.3V output.


ROHS, PB Free

Electrical Rating	Symbol	Min	Typ	Max	Unit
Dropout Voltage	ΔV		0.17	0.30	V
Output Voltage (V)	V_O	1.18	1.20	1.22	V

Maximum Electrical Rating	Symbol	Min	Typ	Max	Unit
Input Voltage (Vdc)	V_I			6.00	V
Output Current	I_O			0.40	A

This part can be found in the following product categories:

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