LMR62014 SIMPLE SWITCHER® 20Vout, 1.4A Step-Up Regulator in SOT-23 Demo Board

(ACTIVE) LMR62014XMFDEMO

Description & Features Technical Documents Support & Community Order Now

Description

The LMR62014 and LMR64010 are high frequency switching boost regulators which offer small size and high power conversion efficiency. The parts operate at a 1.6MHz switching frequency. The primary difference between the LMR62014 and LMR64010 is that the LMR62014 has a higher current internal switch FET (with lower breakdown voltage), while the LMR64010 has a higher voltage FET which handles less current. The LMR64010 targets applications with higher output voltages, while the LMR62014 is intended for applications requiring higher load currents at lower output voltages. This application note describes the demo board supplied to demonstrate the operation of these parts and give information on its usage.



Features

- 2.7V to 12V Input Voltage Range
- LMR62014: 12V Output Voltage, and 450mA Output Current from 5V input supply
- LMR64010: 24V Output Voltage, and 125mA Output Current from 5V input supply
- Switching Frequency of 1.6 MHz
- Minimal Component Count
- Small Solution Size (12 mm x 17 mm)

Contents:

- LMR62014XMFDEMO Board
- AN-2183 LMR62014/LMR64010 Demo Board Application Note

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LMR62014XMFDEMO/NOPB: LMR62014 SIMPLE SWITCHER® 20Vout, 1.4A Step-Up Regulator in SOT-23 Demo Board	$20.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes

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Related Products

TI Devices (1)

Part Number	Name	Product Family
LMR62014	SIMPLE SWITCHER 20Vout, 1.4A Step-Up Voltage Regulator in SOT-23	Converter (Integrated Switch)

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