



UNISONIC TECHNOLOGIES CO., LTD

UC34463

LINEAR INTEGRATED CIRCUIT

200KHZ, 2A PWM BUCK SWITCHING REGULATOR

■ DESCRIPTION

UTC **UC34463** is a PWM control, step down DC to DC power supply, fixed out 5V, with CC/CV mode and output line voltage loss compensation function. External EN port can control shutdown of the IC.

IC internal integration of various protection function, such as SCP, OTP, OCP and so on. The highest working voltage is up to 40V. The built-in compensation simplifies the peripheral applications.

The packages are available in a standard 8-lead SOP8.

■ FEATURES

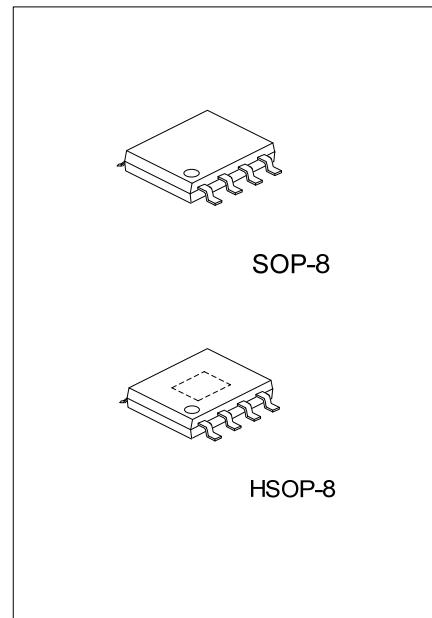
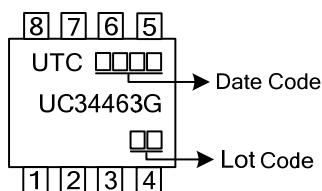
- * Voltage mode non-synchronous PWM control
- * Thermal-shutdown and current-limit protection
- * ON/OFF shutdown control input
- * Input voltage range up to 40V
- * Output load current: 2A
- * 200 kHz fixed frequency internal oscillator
- * Low power standby mode
- * Built-in switching transistor on chip

■ ORDERING INFORMATION

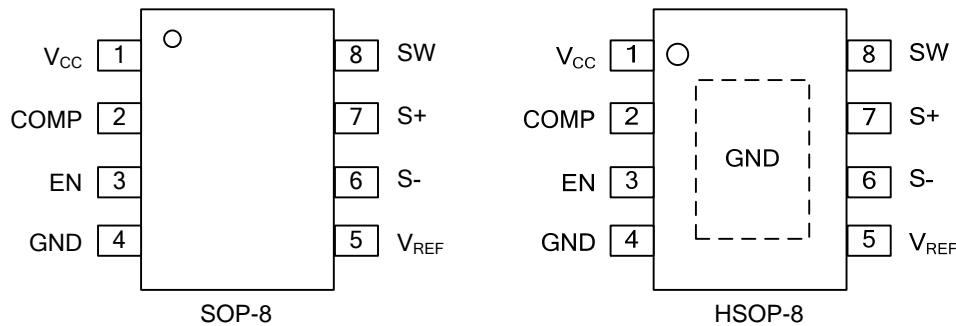
Ordering Number	Package	Packing
UC34463G-S08-R	SOP-8	Tape Reel
UC34463G-SH2-R	HSOP-8	Tape Reel

UC34463G-S08-R	(1) Packing Type (2) Package Type (3) Green Package	(1) R: Tape Reel (2) S08: SOP-8, SH2: HSOP-8 (3) G: Halogen Free and Lead Free
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■ MARKING



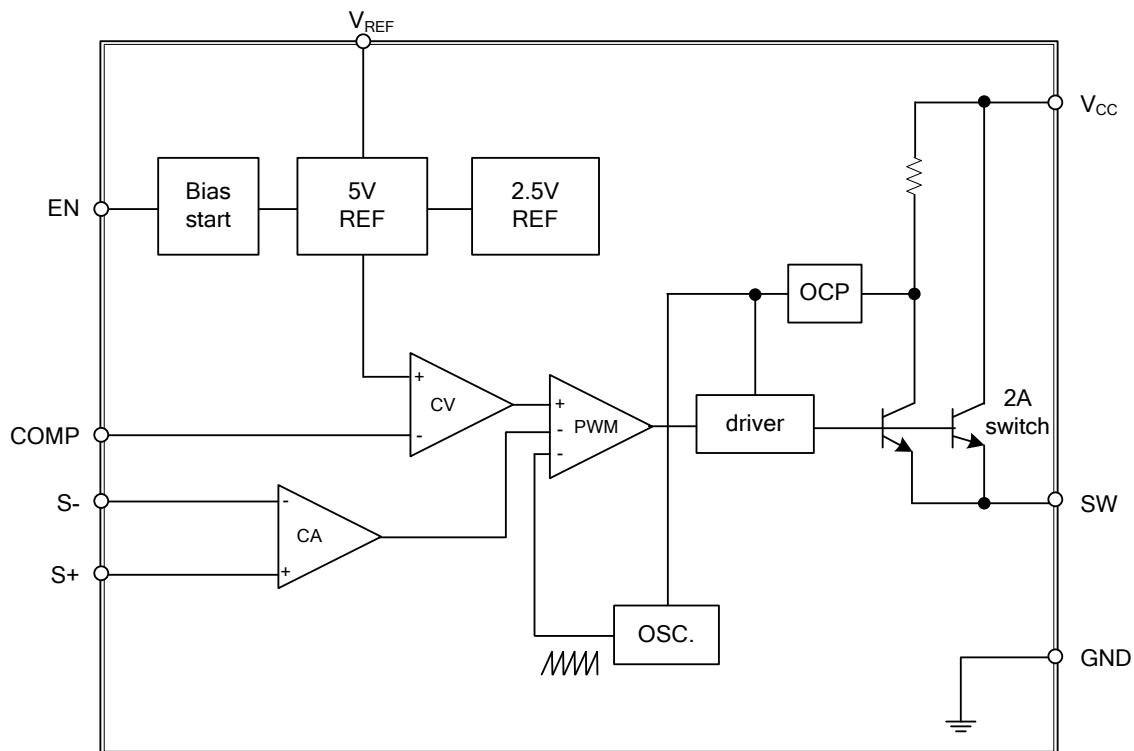
■ PIN CONFIGURATION



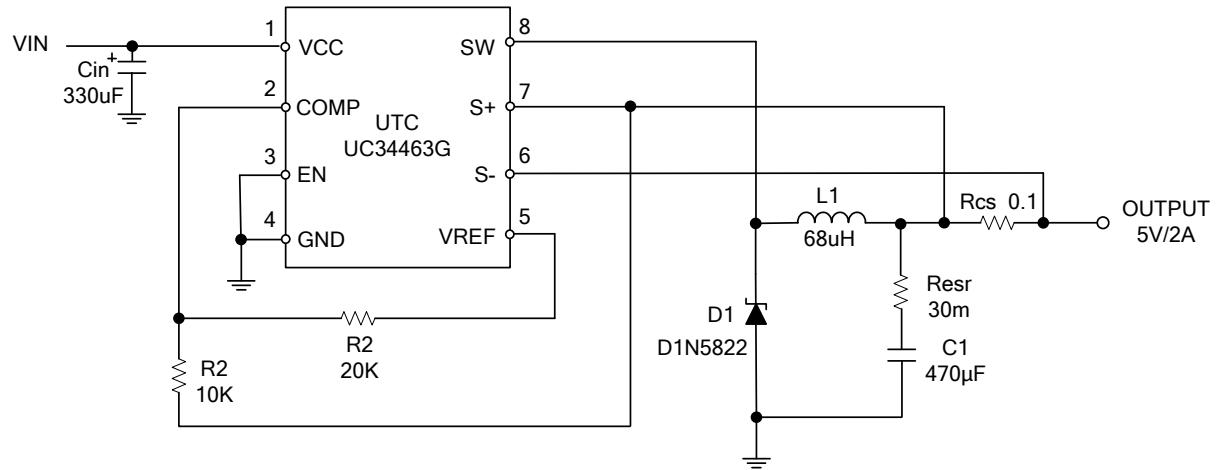
■ PIN DESCRIPTION

PIN NO.	PIN NAME	DESCRIPTION
1	V _{CC}	Operating voltage input
2	COMP	Compensation
3	EN	Shutdown pin
4	GND	Ground.
5	V _{REF}	5V reference voltage
6	S-	Negative input
7	S+	Positive input
8	SW	Switching output

■ BLOCK DIAGRAM



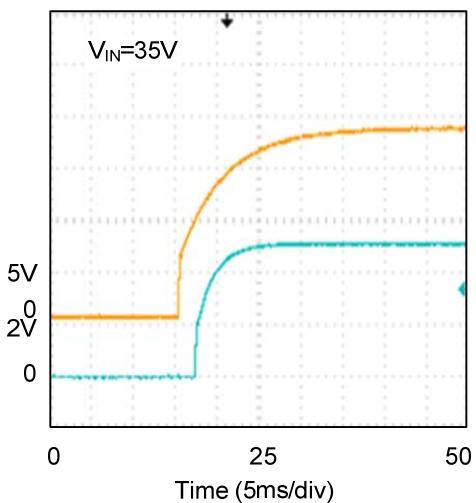
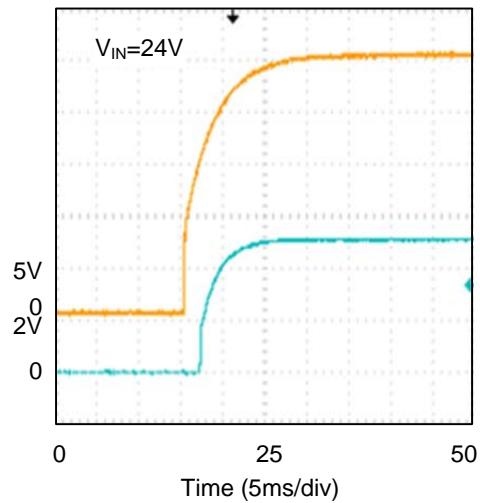
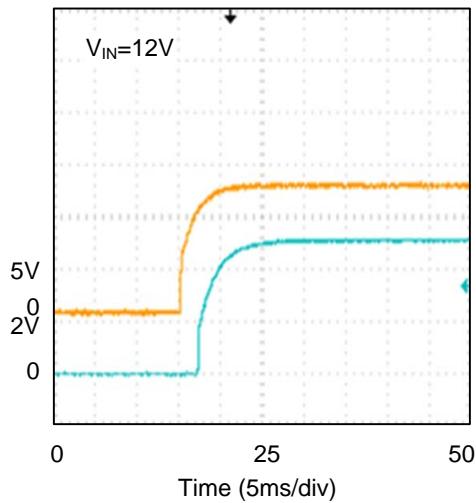
■ TYPICAL APPLICATION CIRCUIT



Note: If $V_{cc} > 24V$, COMP pin to GND need to add 0.1uF (option) compensation capacitor.

■ TYPICAL CHARACTERISTICS

1. Boot Power (CH2: Yellow 5V/div, CH3: Blue 2V/div)



2. CA Mode

