UC34363 LINEAR INTEGRATED CIRCUIT **Preliminary**

CONSTANT VOLTAGE AND **CONSTANT CURRENT** CONTROLLER FOR BATTERY **CHARGERS**

DESCRIPTION

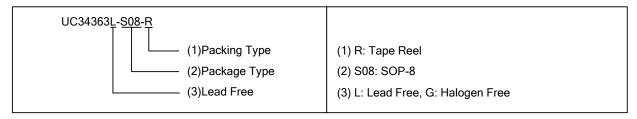
The UTC UC34363 is a switch controller for constant voltage, constant current (CV/CC) application. The device could be used for battery charge. UTC UC34363 is used of SOP-8 packages. Additionally the UTC UC34363 intergrated a internal compensation capacitor, so that the application is simplicial.



- * CV/CC linear charge
- * 3A maximum charge current
- * PWM control Mode
- * Available charge current
- * Over Voltage protect ,Over Current Protect
- * Enable Control function
- * Very Low Power Dissipation in Standby Mode

ORDERING INFORMATION

Ordering Number		Doolsono	Dealing		
Lead Free	Halogen Free	Package	Packing		
UC34363L-S08-R	UC34363G-S08-R	SOP-8	Tape Reel		

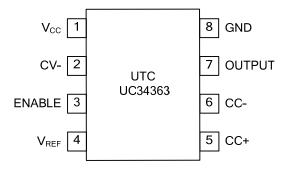


MARKING INFORMATION

PACKAGE	MARKING			
SOP-8	B 7 6 5 UTC DDDD L: Lead Free UC34363 D G: Halogen Free Lot Code			
TO WWW. Flying 1688.Co				
www.unisonic.com.tw	1 of 4			
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SOP-8

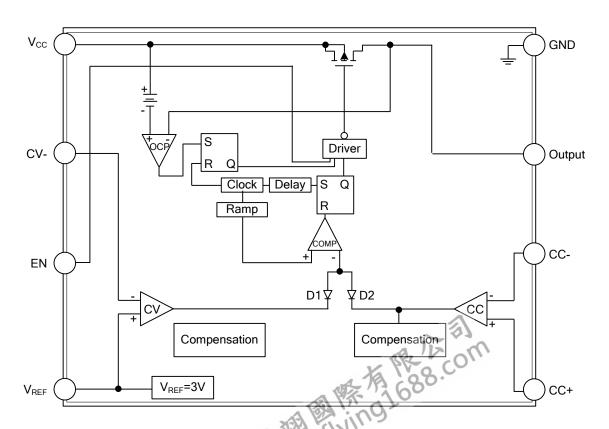
■ PIN CONFIGURATION



■ PIN DESCRIPTION

PIN NO.	PIN NAME	DESCRIPTION	
1	V _{CC}	Power Supply	
2	CV-	Negative Input of the Voltage Amplifier	
3	ENABLE	Enable Controlled ON/OFF for IC	
4	V_{REF}	3V external Voltage Reference	
5	CC+	Positive Input of Current Amplifier	
6	CC-	Negative Input of Current Amplifier	
7	OUTPUT	Output	
8	GND	Ground	

■ BLOCK DIAGRAM



ABSOLUTE MAXIMUM RATING

PARAMETER	SYMBOL	RATINGS	UNIT
Power Supply Voltage	V _{CC}	30	V
CC+ Voltage	V _{CC} +	10	V
CC- Voltage	V _{CC} -	10	V
CV- Voltage	V _{CV} -	10	V
Operating Junction Temperature	TJ	125	°C

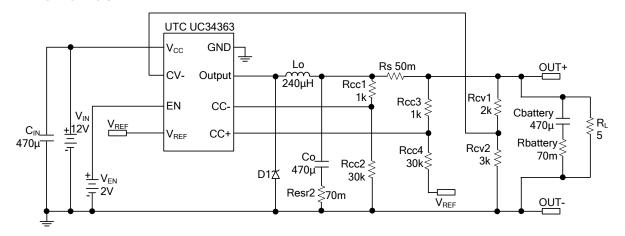
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

ELECTRICAL CHARACTERISTICS (V_{IN}=15V, T_A=25°C, Unless otherwise specified)

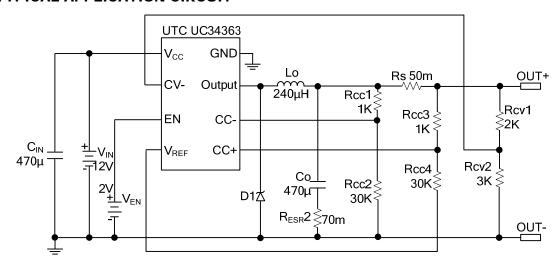
					<u> </u>	
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Power Supply						
Power Supply Voltage	Vcc		8		30	V
Standby Supply Current	ISTANDBY	V _{CC} = 30V		7	15	mA
Osc				_	ā.	
Oscillator Frequency	Fosc			75		KHZ
CC				-	ā.	
Constant Current	CC	R _S =50mΩ, Rcc1=Rcc3=1K, Rcc2=Rcc4=30K		2		Α
Enable		•			•	
Enable Lania legistico	Von		2			V
Enable Logic Input Leve	V_{OFF}				1.5	V
V _{REF}						
Reference Input Voltage	V_{REF}	I _{LOAD} =5mA		3.0		V
Protect						
Thermal Shutdown	T_{OTP}			150		°C



■ TEST CIRCUIT



■ TYPICAL APPLICATION CIRCUIT



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