

UC2844/45

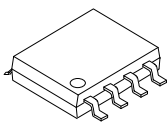
LINEAR INTEGRATED CIRCUIT

HIGH PERFORMANCE CURRENT MODE PWM CONTROLLERS

DESCRIPTION

The UTC **UC2844/2845** are high performance fixed frequency current mode controllers that specifically designed for Off-Line and DC to DC converter applications with minimal external parts count.

The differences between **UC2844** and **UC2845** are the maximum duty cycle ranges and under-voltage lockout thresholds. The **UC2844** ideally suited to off-line applications with UVLO thresholds of $16V_{(ON)}$ and $10V_{(OFF)}$, and **UC2845** has UVLO thresholds of $8.5V_{(ON)}$ and $7.6V_{(OFF)}$ for lower voltage applications.



SOP-8

FEATURES

- * Operation output switching frequency up to 500 kHz
- * Output deadtime adjustable from 50% to 70%
- * Automatic feed forward compensation
- * Latching PWM for cycle-by-cycle current limiting
- * High current totem pole output
- * Internally trimmed reference with under voltage lockout
- * UVLO with hysteresis
- * Low startup and operating current

ORDERING INFORMATION

Ordering Number	Package	Packing
UC2844ASP	SOP-8	Tape Reel
UC2845ASP	SOP-8	Tape Reel

<p>UC2845A S P</p> <p>(1) Packing Type (2) Package Type (3) Green Package</p>	<p>(1) P: Tape Reel (2) S: SOP-8 (3) A: Lead Free</p>
---	---

MARKING

UC2844	UC2845