













# UC3845B

## PWM

UC3842BUC3843B DC-DC MOSFET 50% 70% 8 (SO-8) 14 (SO-14) SO-14 UCX844B UVLO 16 V 10 VUCX845B UVLO 8.5 V 7.6 V

- Trimmed Oscillator for Precise Frequency Control
  - Oscillator Frequency Guaranteed at 250 kHz
  - Current Mode Operation to 500 kHz Output Switching Frequency
  - Output Deadtime Adjustable from 50% to 70%
  - Automatic Feed Forward Compensation
  - Latching PWM for Cycle-By-Cycle Current Limiting
  - Internally Trimmed Reference with Undervoltage Lockout
  - High Current Totem Pole Output
  - Undervoltage Lockout with Hysteresis
  - Low Startup and Operating Current
- For more features, see the data sheet

	Pricing (\$/Unit)	Compliance	Status	Topology	Control Mode	f <sub>sw</sub> Typ (kHz)	Stand-by Mode	UVLO (V)	Short Circuit Protection	Latch	Soft Start	V <sub>cc</sub> Max (V)	Drive Cap. (mA)	Package Type
UC3845BD1G	0.2165	 	Active		Current Mode	52	No	Yes	Yes	No	No	25	200 / 200	SOIC-8
UC3845BD1R2G	0.2191	 	Active		Current Mode	52	No	Yes	Yes	No	No	25	200 / 200	SOIC-8
UC3845BDR2G	0.4076	 	Active		Current Mode	52	No	Yes	Yes	No	No	25	200 / 200	SOIC-14
UC3845BNG	0.3695	 	Active		Current Mode	52	No	Yes	Yes	No	No	25	200 / 200	PDIP-8
UC3845BVD1R2G	0.2613	 	Active		Current Mode	52	No	Yes	Yes	No	Yes	25	200 / 200	SOIC-8
UC3845BVDR2G	0.3968	 	Active		Current Mode	52	No	Yes	Yes	No	Yes	25	200 / 200	SOIC-14