

Figure 7. External Clock Synchronization

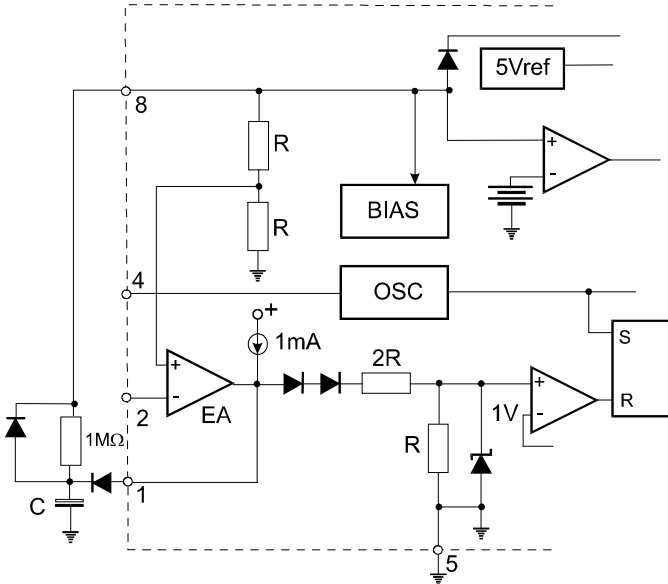


Figure 8. Soft-Start Circuit

Typical Performance Characteristics

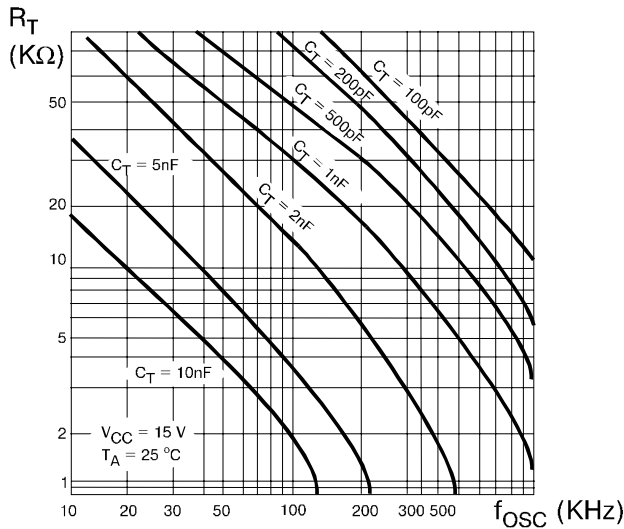


Figure 1. Timing Resistor vs. Oscillator Frequency

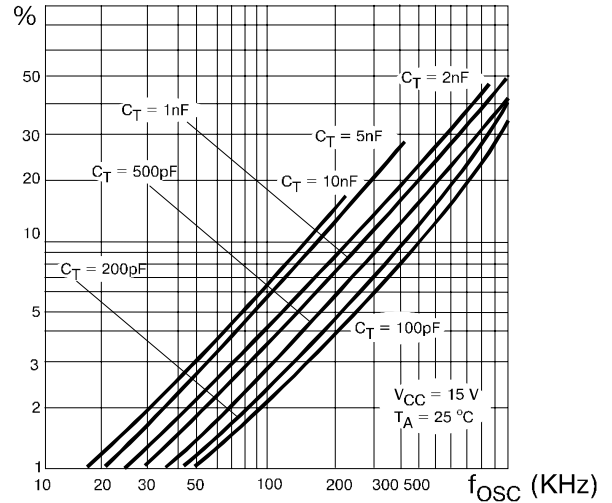


Figure 2. Output Dead-Time vs. Oscillator Frequency

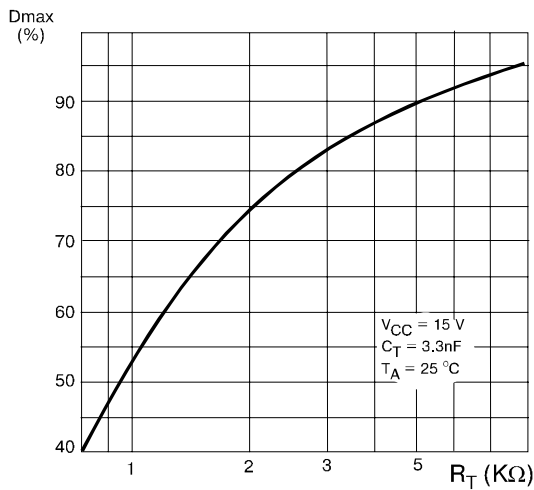


Figure 3. Maximum Output Duty Cycle vs. Timing Resistor (UC3842/43)

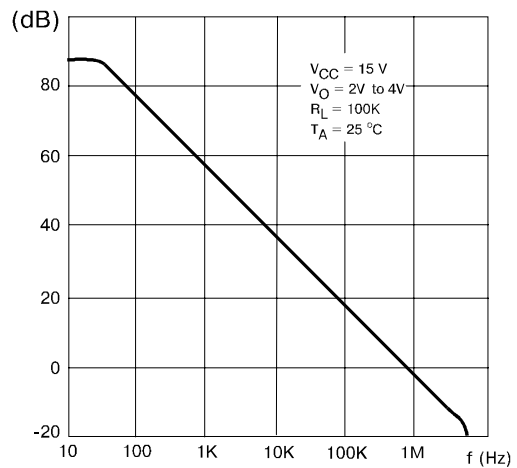


Figure 4. Error Amp Open-Loop Gain vs. Frequency

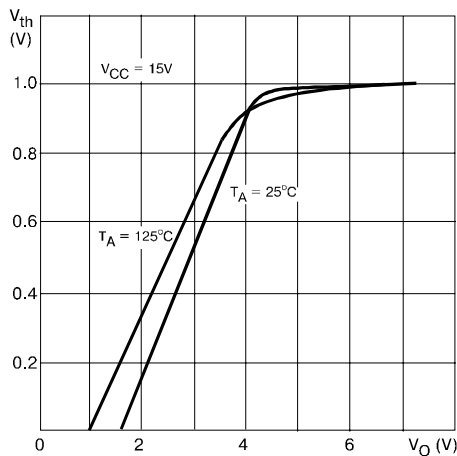


Figure 5. Current Sense Input Threshold vs. Error Amp Output Voltage

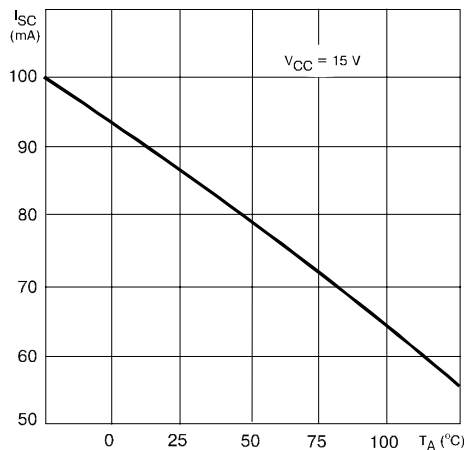


Figure 6. Reference Short Circuit Current vs. Temperature

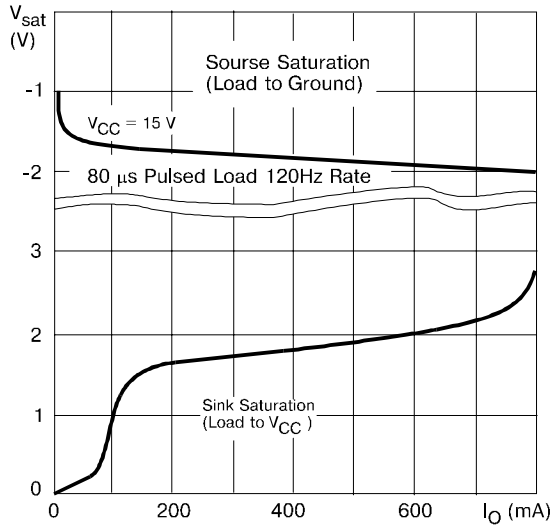


Figure 7. Output Saturation Voltage vs. Load Current
 $T_A = 25^\circ\text{C}$

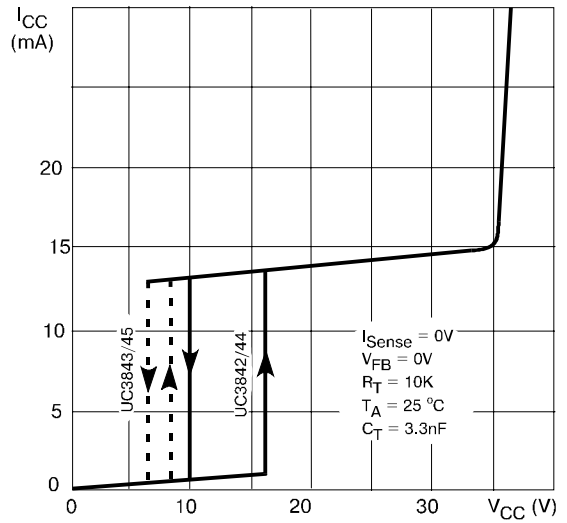


Figure 8. Supply Current vs. Supply Voltage

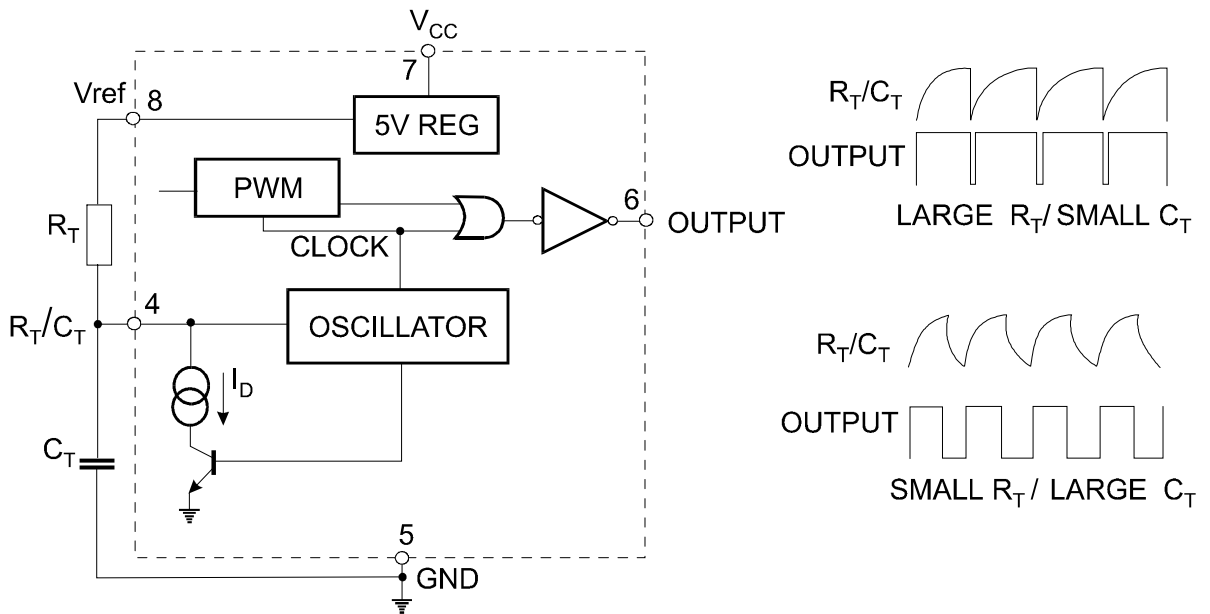


Figure 9. Oscillator and Output Waveforms

Ordering information

Order code	Package	Baseqty	Deliverymode
UC2842B	SOP-8	2500	Tape and reel
UC2843B	SOP-8	2500	Tape and reel
UC2844B	SOP-8	2500	Tape and reel
UC2845B	SOP-8	2500	Tape and reel