
18V Vin, 6A, High Efficiency Synchronous Step-down DCDC Converter**FEATURES****DESCRIPTION**

ON-PURPOSE SPWM

APPLICATIONS

REVISION HISTORY

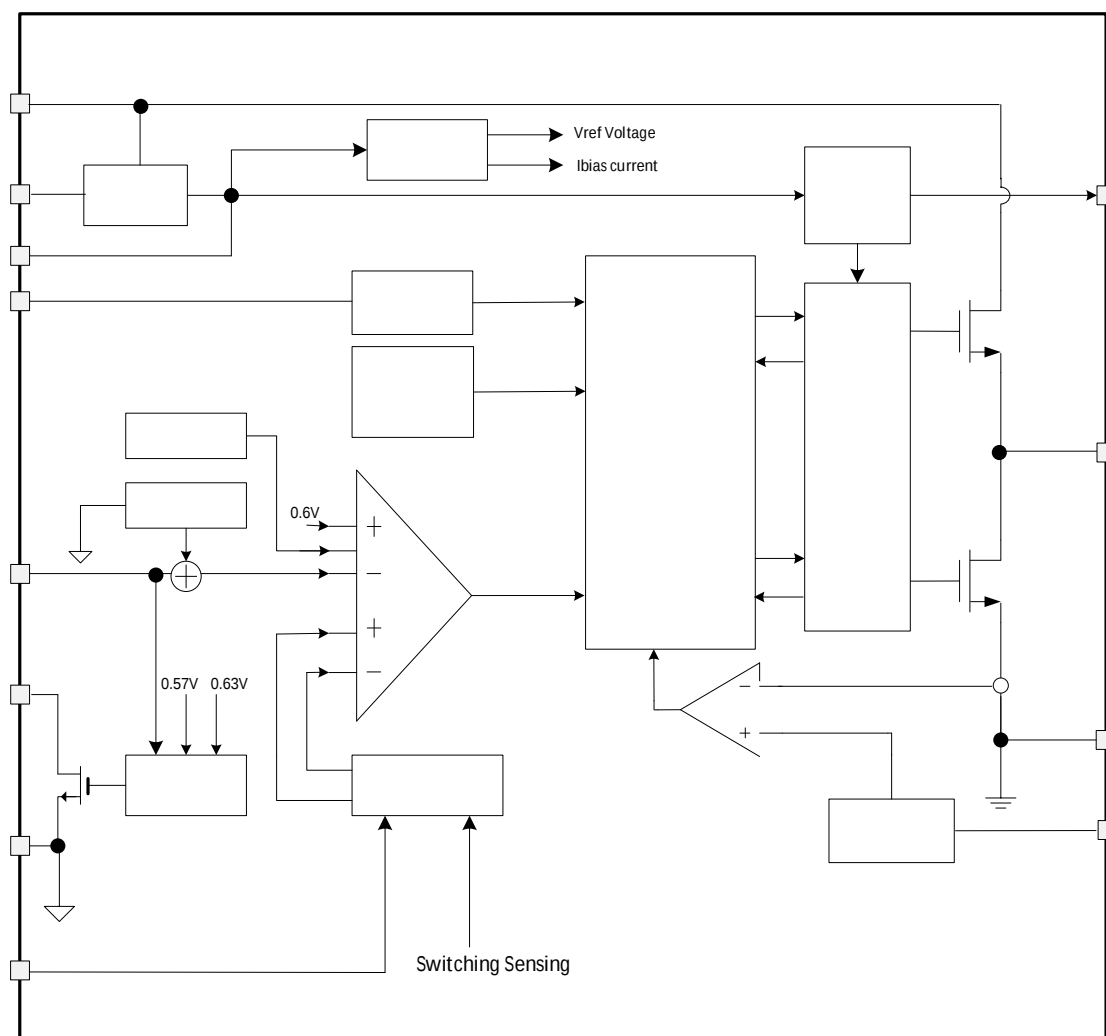
PIN FUNCTIONS (continued)

NAME	NO.	PIN FUNCTION

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
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TYPICAL CHARACTERISTICS

FUNCTIONAL BLOCK DIAGRAM



SCT2261Q

OPERATION

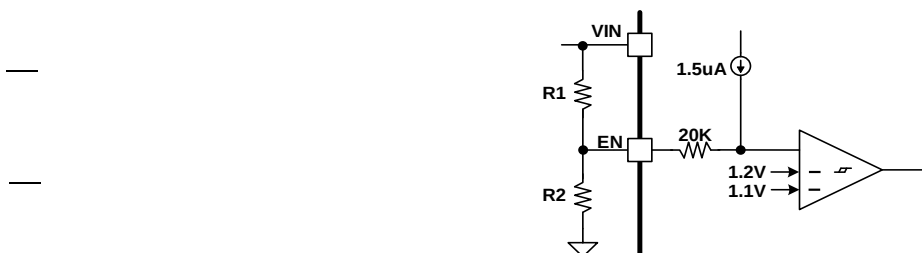
Overview

Constant on-time (COT) Mode Control

Pulse Frequency Modulation (PFM) and Ultra-sonic Modulation (USM) Modes

Forced Continuous Conduction Mode (FCCM)

Enable and Under Voltage Lockout Threshold



Output Voltage

SCT2261Q

Mode Selection

Table 2. MODE Pin Set-up for Mode Selection

Power Good (PG)

Thermal Shutdown

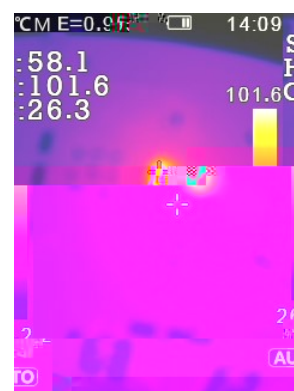
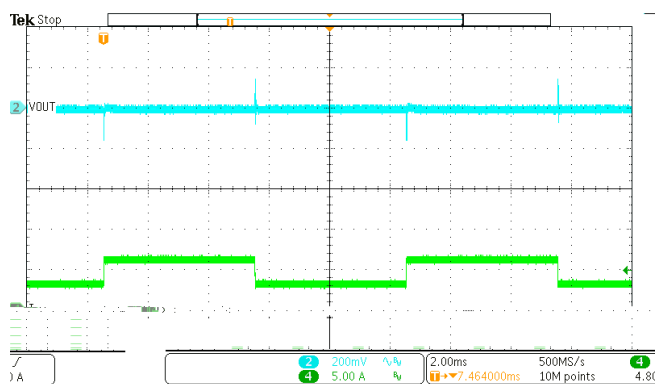
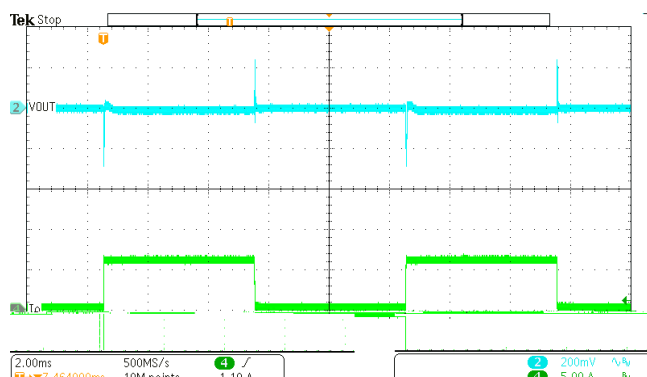
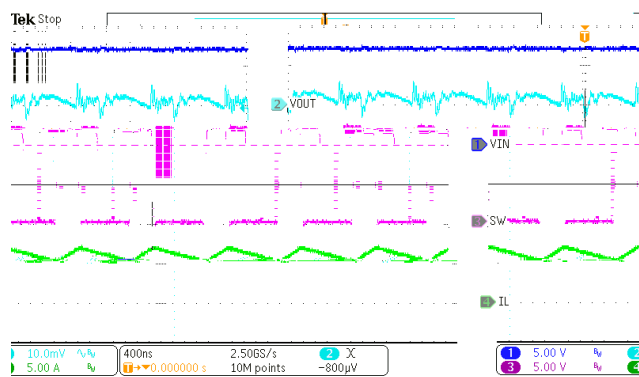
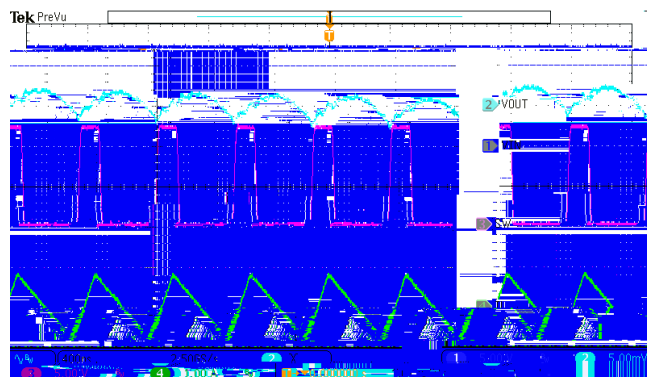
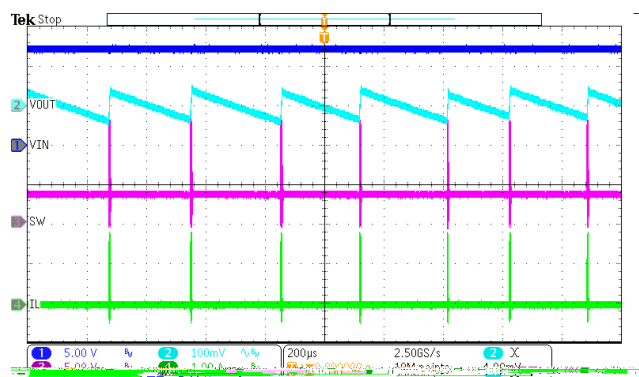
Input Capacitor Selection

Inductor Selection

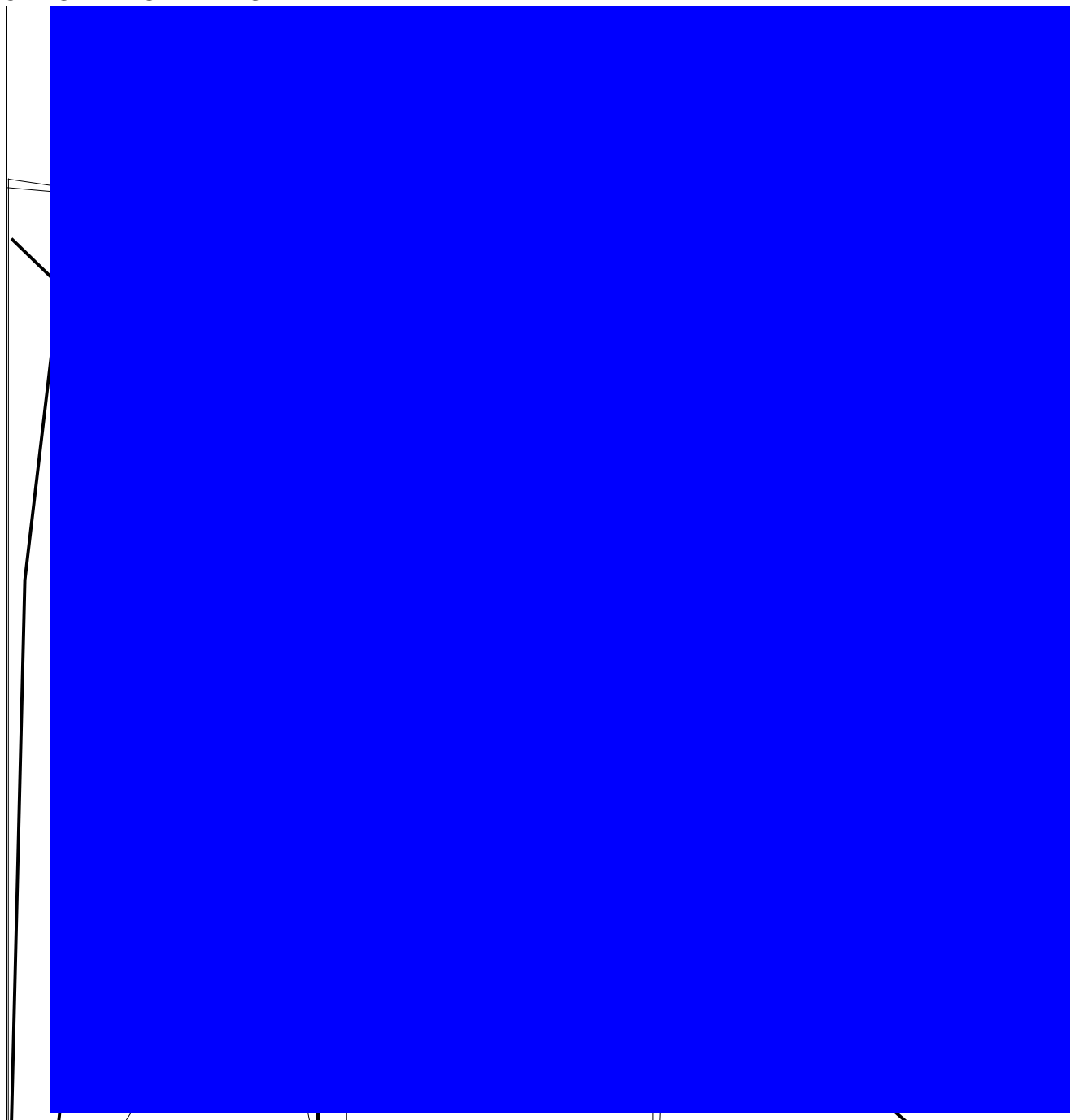
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Output Capacitor Selection

Application Waveforms(Continued)



PACKAGE INFORMATION



SCT2261Q

TAPE AND REEL INFORMATION

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A			
B			
C			