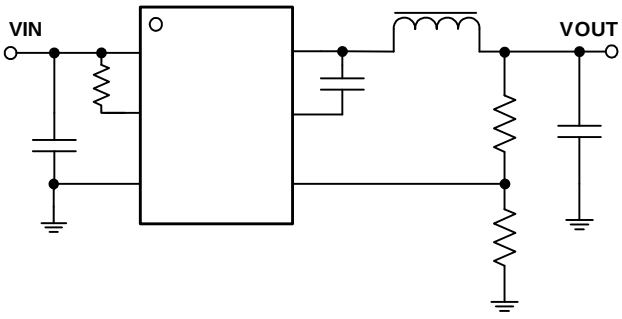
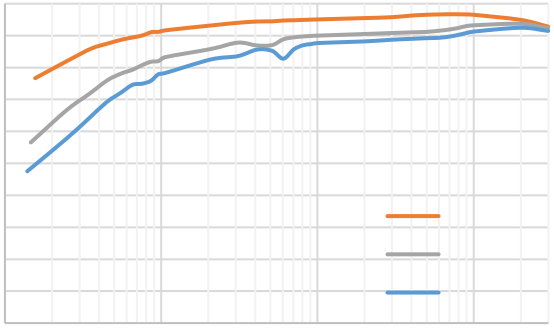
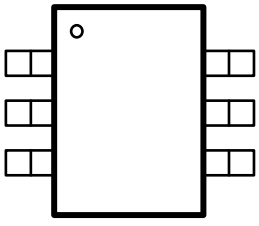


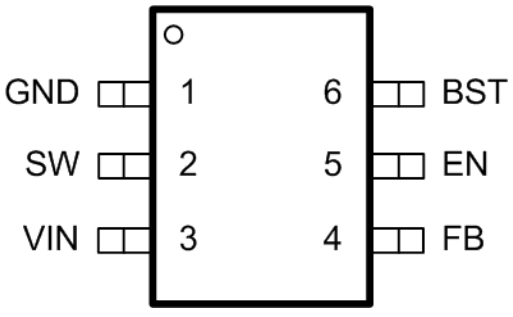


Efficiency, VOUT=3.3V

ORDERABLE DEVICE	PACKAGING TYPE	STANDARD PACK QTY	PACKAGE MARKING	PINS	PACKAGE DESCRIPTION	MSL

SYMBOL	MIN	MAX	UNIT
( )			
			o
			o





NAME	PIN		PIN FUNCTION
	SOT563	SOT23-6	

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply and Output						

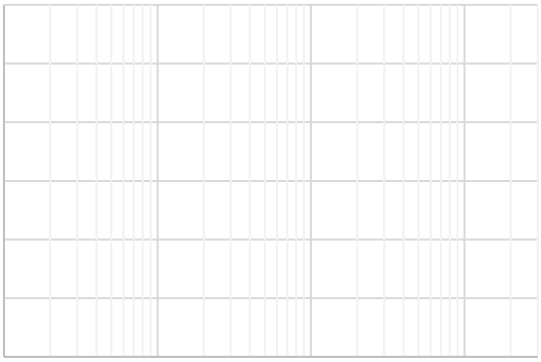


Figure 1. Efficiency vs Load Current(VIN=12V)

Figure 2. Line Regulation

Figure 3. Load Regulation

Figure 4. FB Voltage Vs. Temperature

Figure 5. UVLO Vs. Temperature

Figure 6. Quiescent Current Vs. Temperature

Adaptive On-time Control

SCT2230B

Bootstrap Voltage Regulator

Thermal Shutdown

°

°

Typical Application

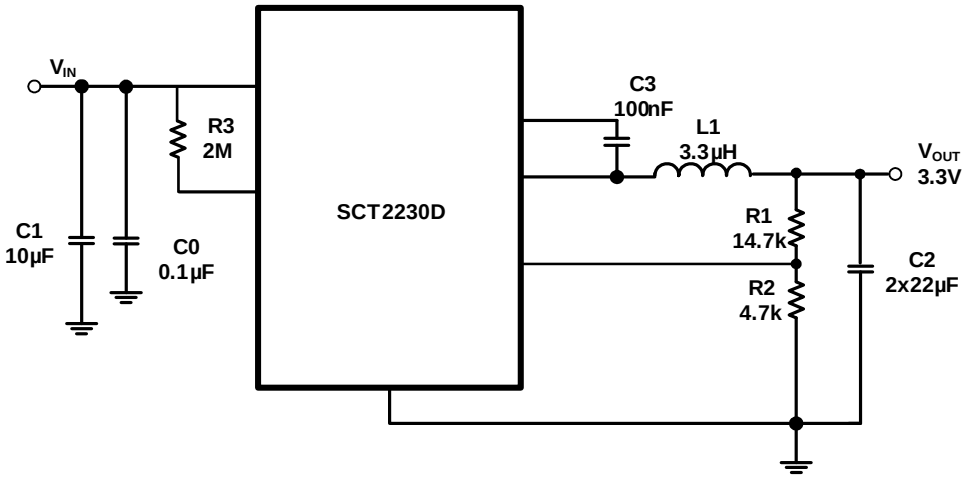


Figure 8. 12V Input, 3.3V/3A Output

Design Parameters

Design Parameters	Example Value

Input Capacitor Selection

Table 1. Recommended Inductors

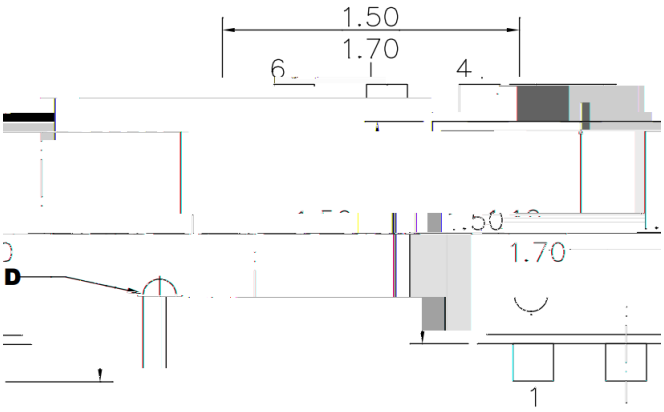
Part Number	L (uH)	DCR Max (mΩ)	Saturation Current/Heat Rating Current (A)	Size Max (LxWxH mm)	Vendor

Output Feedback Resistor Divider Selection

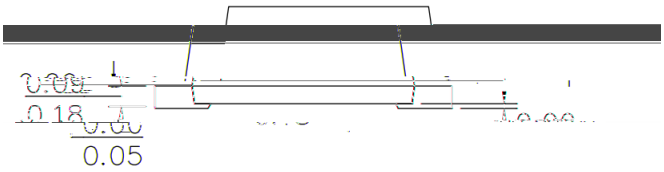
Application Waveforms

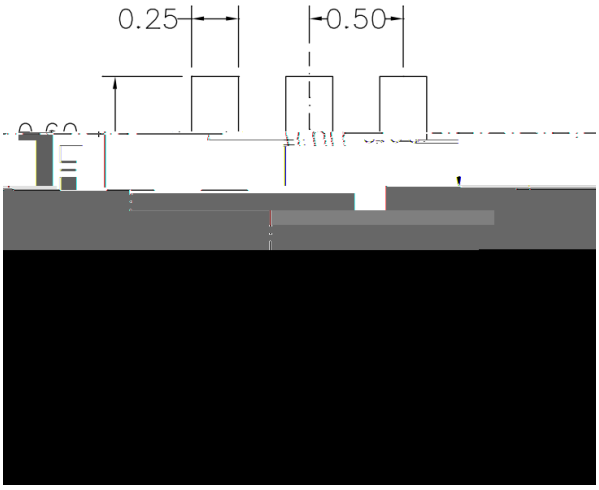
Layout Guideline

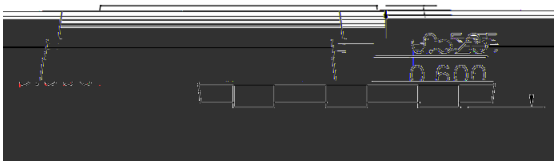
Thermal Considerations



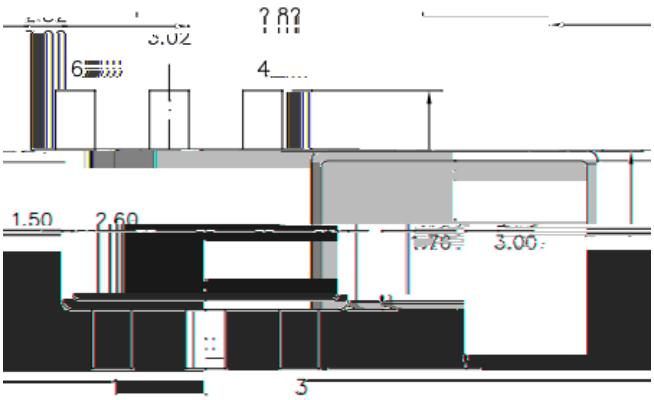


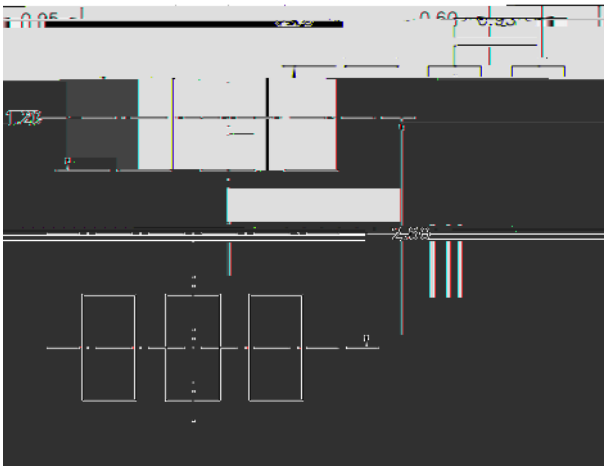


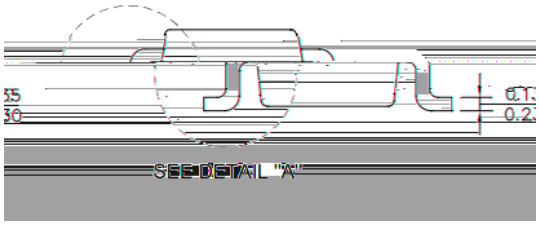


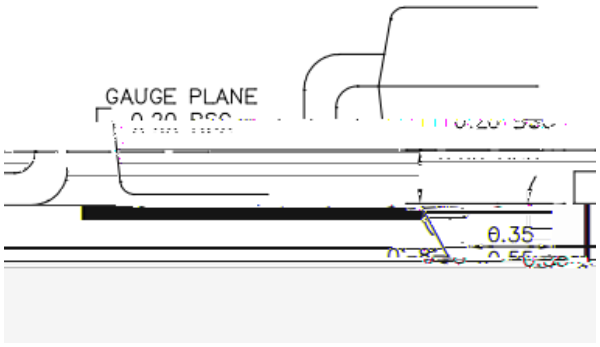


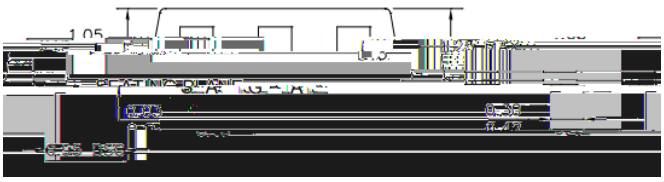
NOTE:



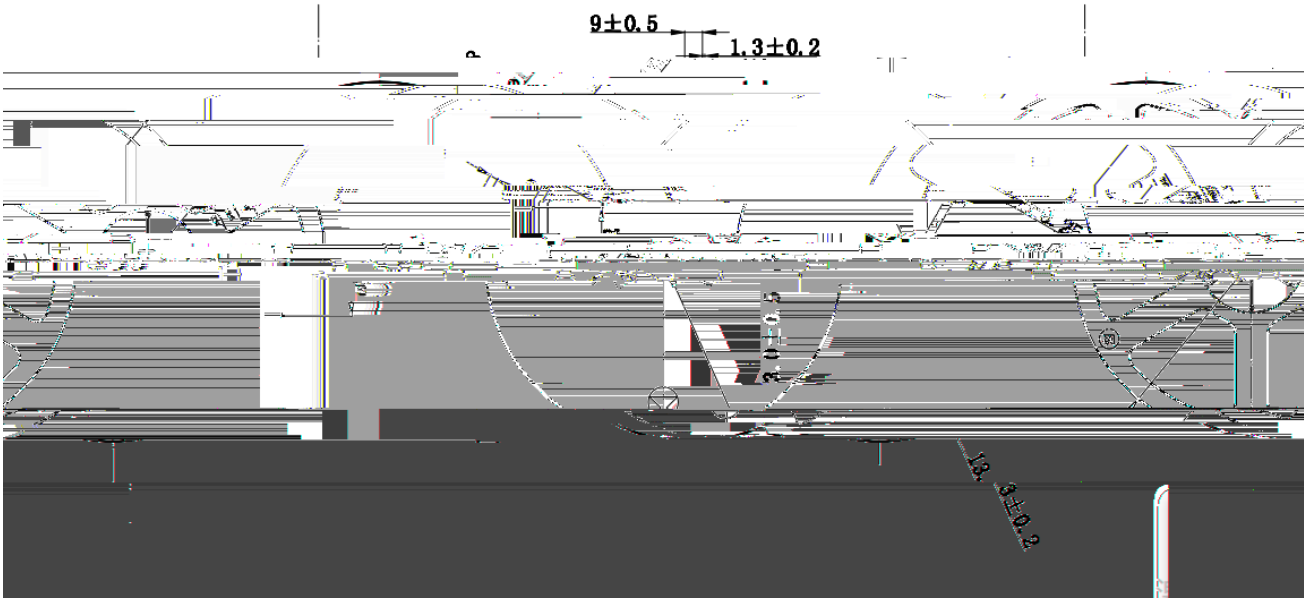








NOTE:



ITEM	W	A0	B0	K0	F	E	D1	D0	P0	P1	P2	t
	8.00	3.25	3.30	1.38	3.50	1.75	1.50	4.00	4.00	2.00	0.25	

MIN 7.8

