

# 3.8V-60V Vin, 2.5A, High Efficiency Step-down DCDC Converter with Programmable Frequency

**FEATURES** 



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## **REVISION HISTORY**

ABSOLUTE MAXIMUM RATINGS  PIN CONFIGURATION  GGL	EVICE ORDER INF		
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	IN FUNCTIONS		

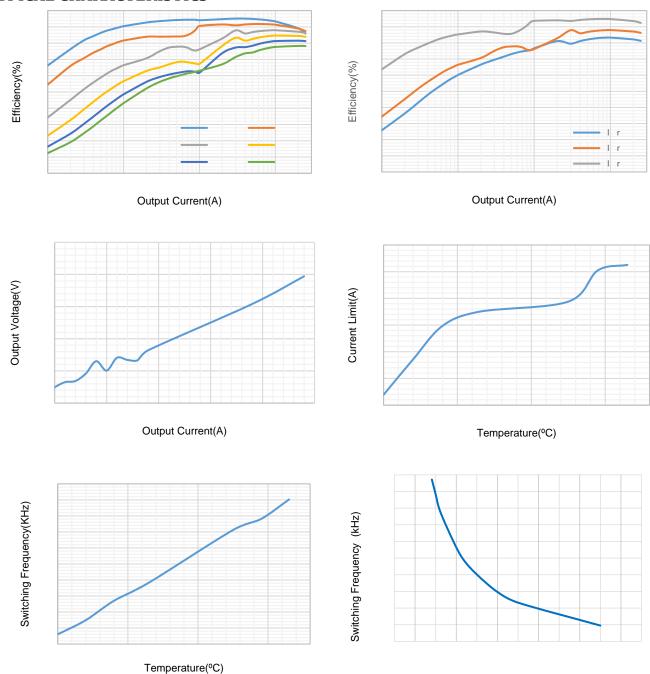


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RECOMMEN	NDED OF	PERATING CONDIT	TIONS			
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			-		<u> </u>	
ESD RATIN	GS					
(4)						
(1) (2)						
THERMAL 1	INFORM	ATION				
IIILKWAL		AIION				
ELECTRICA	L CHAR	ACTERISTICS				
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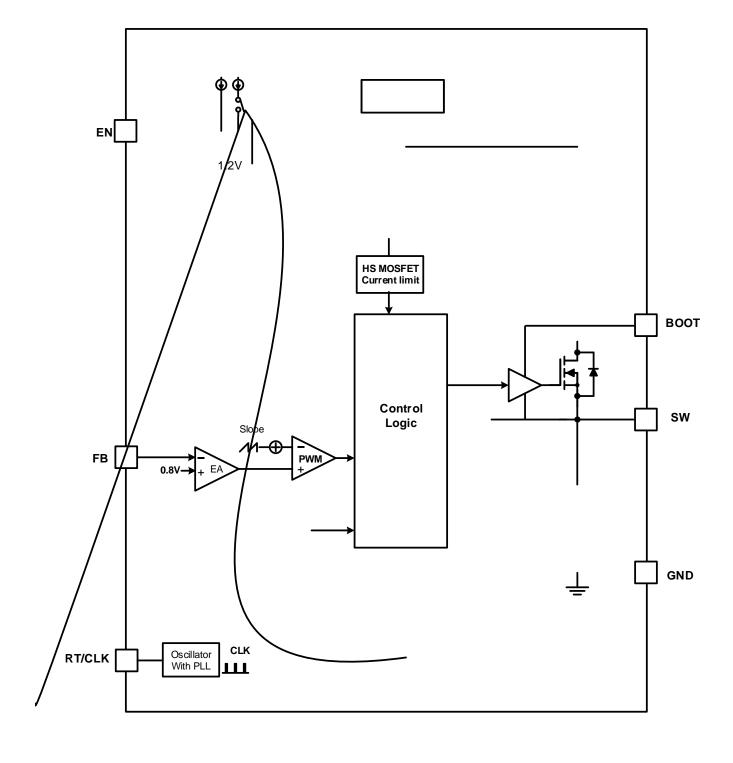
		<u> </u>				
			<u> </u>			
		POWER GOOD (% of FB voltage)				
		POWER BAD (% of FB voltage)				
		POWER BAD (% of FB voltage)				
		POWER GOOD (% of FB voltage)				
		VPull-Up = 5V				
		IPull-Up = 1 mA				
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## TYPICAL CHARACTERISTICS



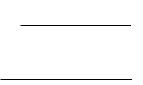
## **FUNCTIONAL BLOCK DIAGRAM**

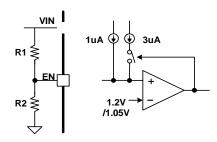




OPERATION	
Overview	
Peak Current Mode Control	
Enable and Under Voltage Lockout Threshold	

7



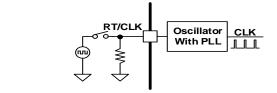


### **Output Voltage**

1%

**Switching Frequency and Clock Synchronization** 

SCT

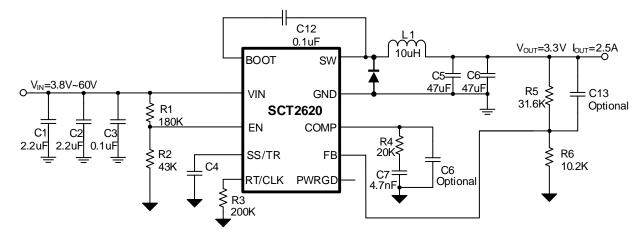


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Over veltana Dustantian			
Over voltage Protection			
Power Good (PWRGD Pin)			
Thermal Shutdown			
mermai Shuluowii			

SCI

### **APPLICATION INFORMATION**

#### **Typical Application**



Design Parameters				

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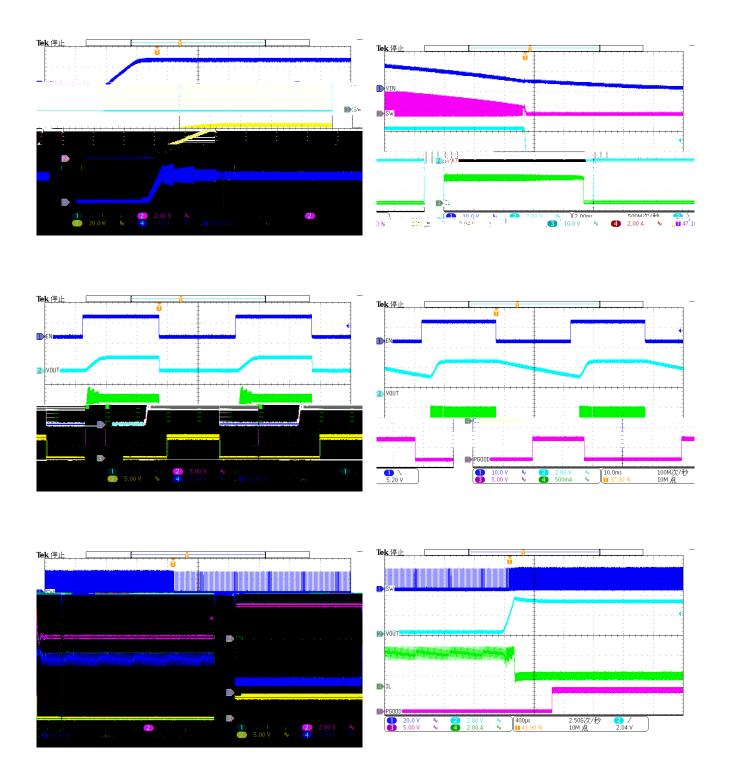

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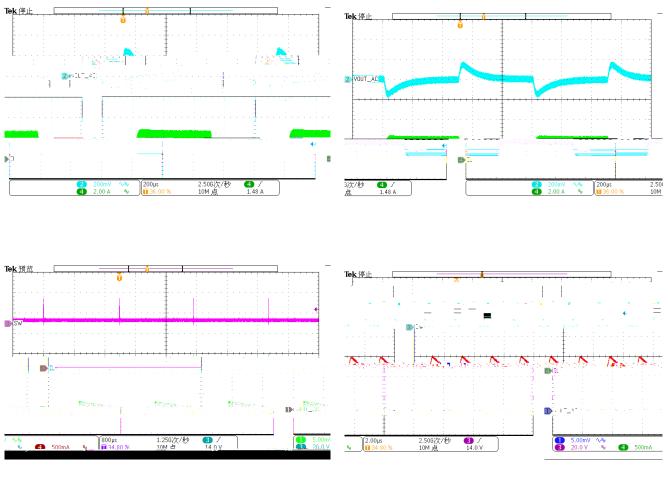
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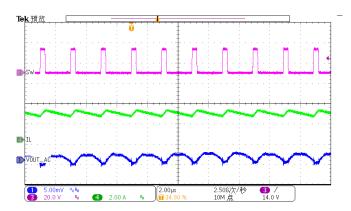
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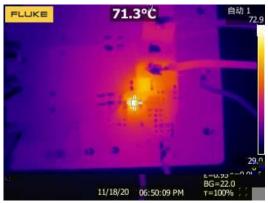










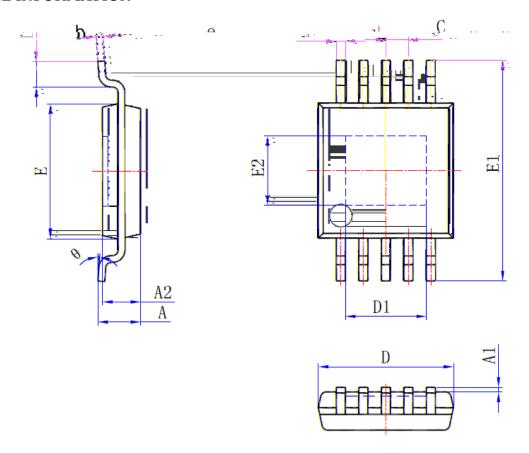


### **Layout Guideline**

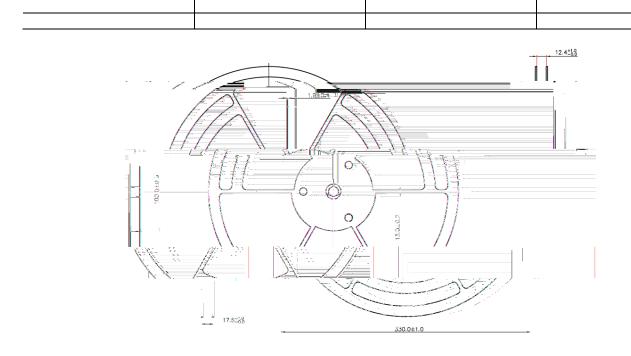
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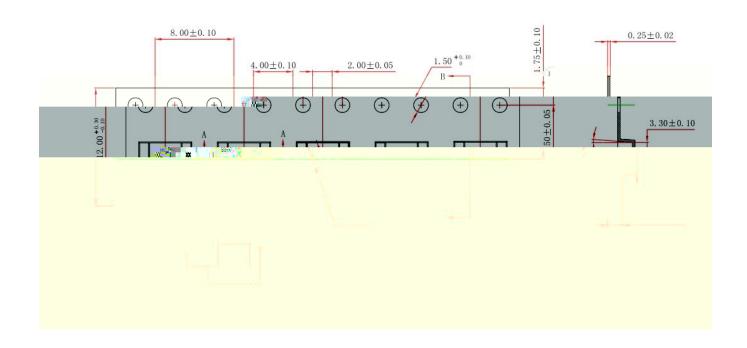


## **PACKAGE INFORMATION**



### TAPE AND REEL INFORMATION







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