

REVISION HISTORY

I_{q_Charge On} MAX and MIN

threshold

DEVICE ORDER INFORMATION

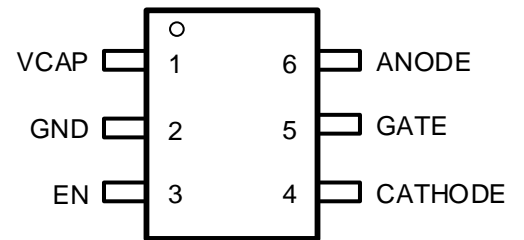
1)

ABSOLUTE MAXIMUM RATINGS

(1)

(2)

PIN CONFIGURATION



PIN FUNCTIONS

RECOMMENDED OPERATING CONDITIONS

ESD RATINGS

- (1)
- (2)

THERMAL INFORMATION

V_{ANODE} to V_{CATHODE}

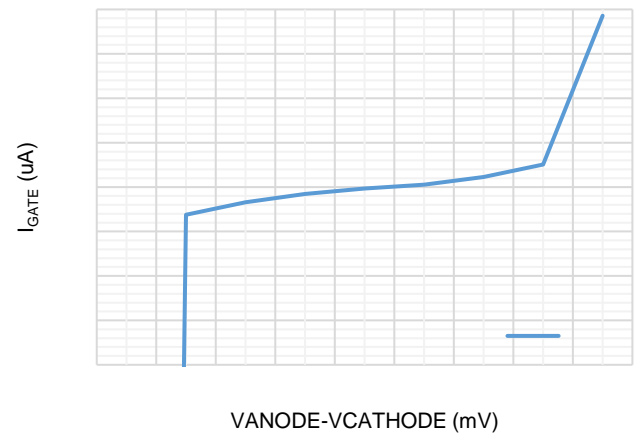
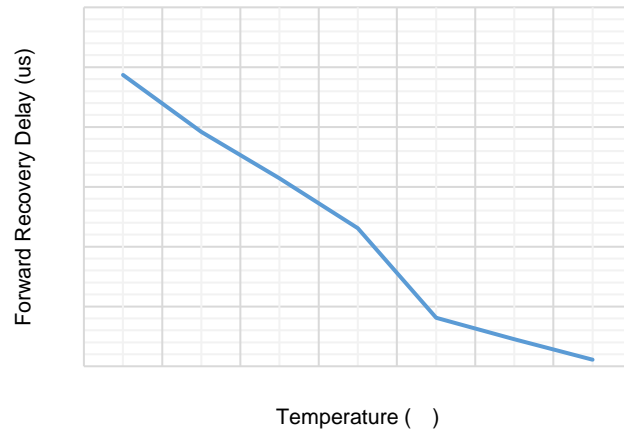
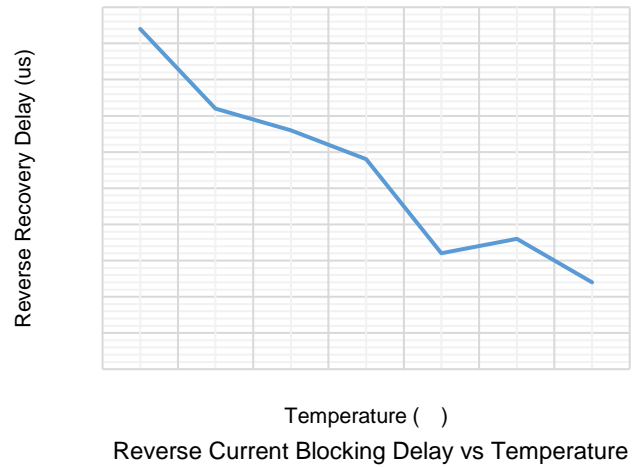
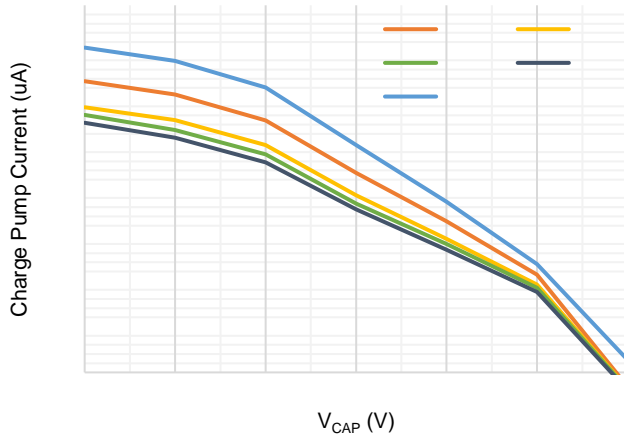
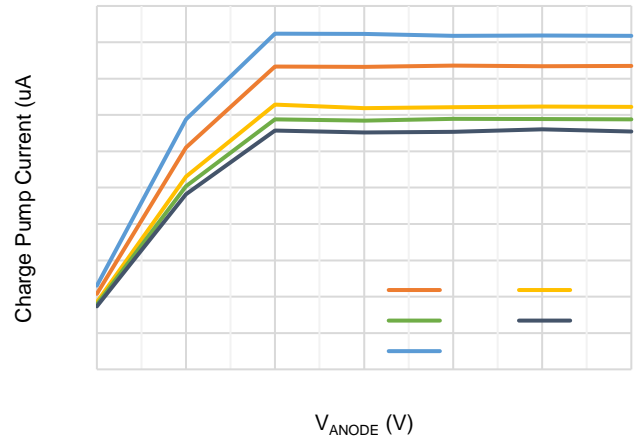
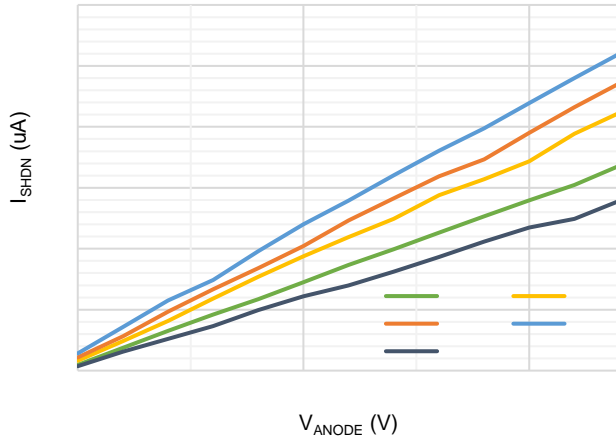
V _{AC_REG}	Regulated Forward Threshold			
V _{AC}	threshold for full conduction mode			

GATE DRIVE

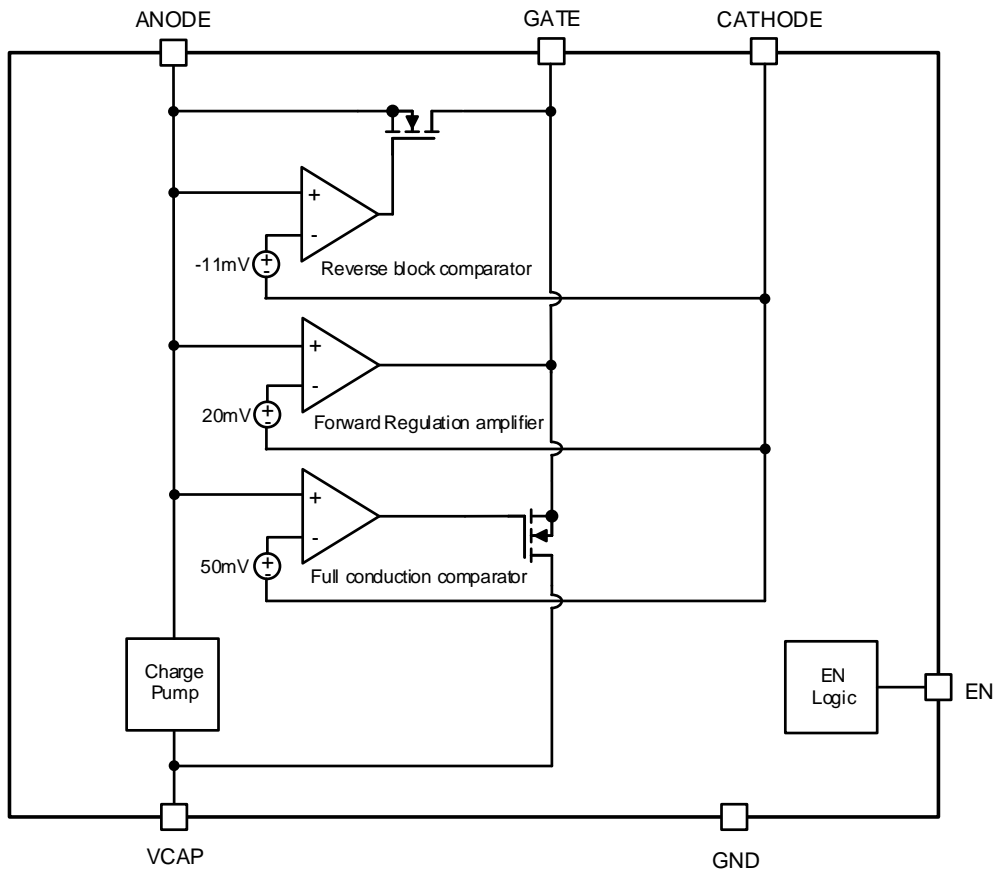
Peak source current

 $V_{ANODE} = V_{CATHODE} = 100 \text{ mV},$
 $V_{GATE) = V_{ANODE} = 5 \text{ V}$

TYPICAL CHARACTERISTIC



FUNCTIONAL BLOCK DIAGRAM



OPERATION

Overview

protection circuit or be used in a . This easy to use ideal diode controller operates in polarity conjunction with an external N-channel MOSFET to replace other reverse polarity schemes such as a P-channel MOSFET or a Schottky diode.

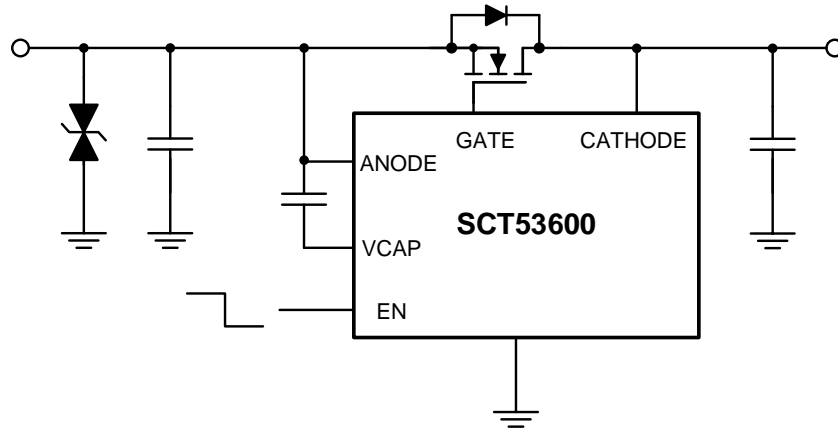
Input Voltage

Enable

Charge Pump

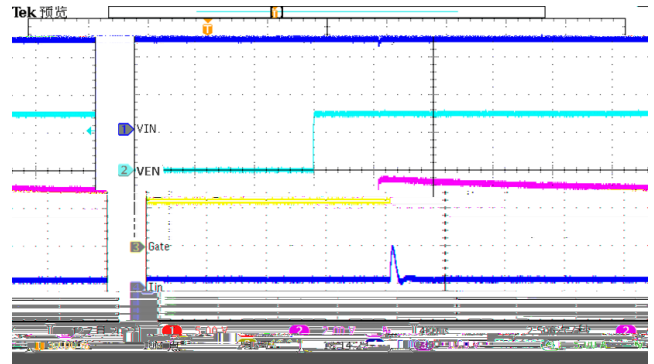
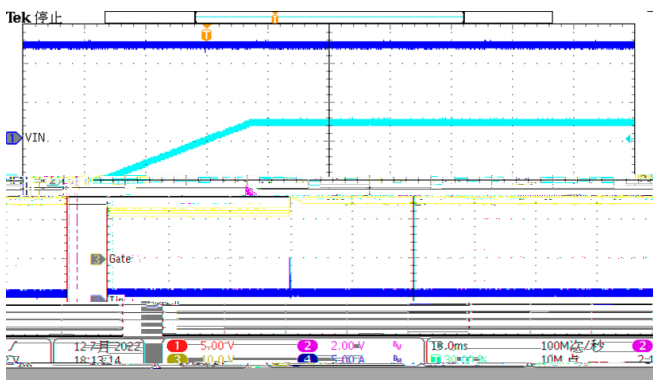
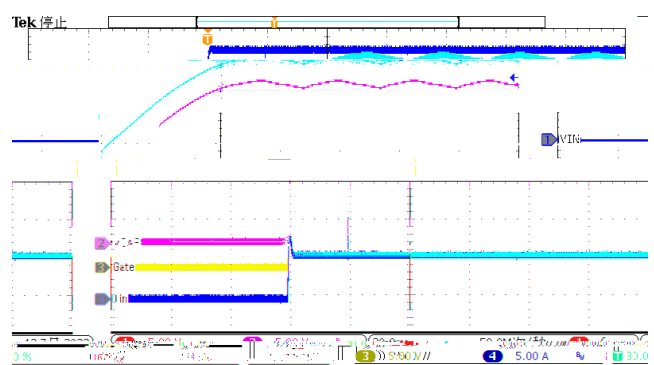
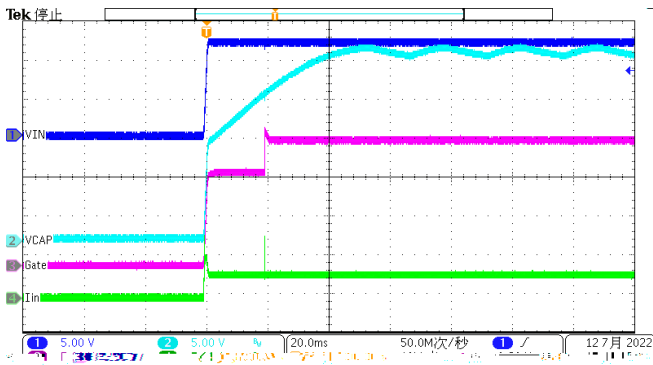
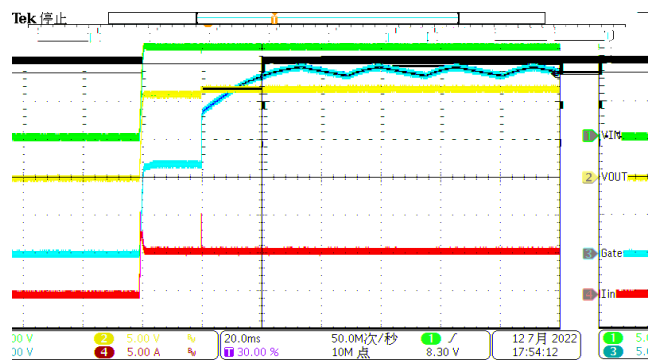
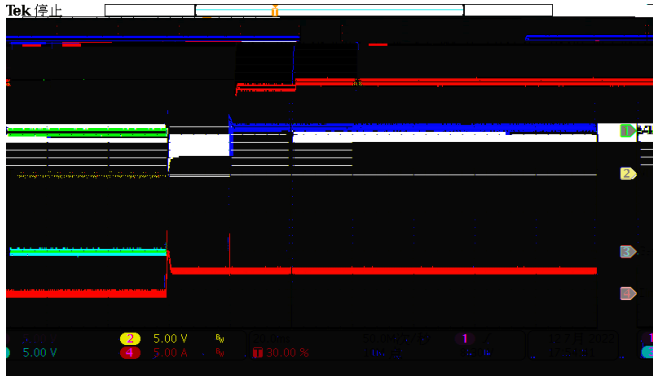
APPLICATION INFORMATION

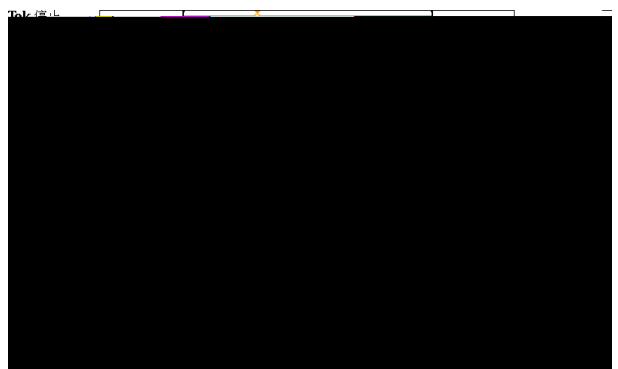
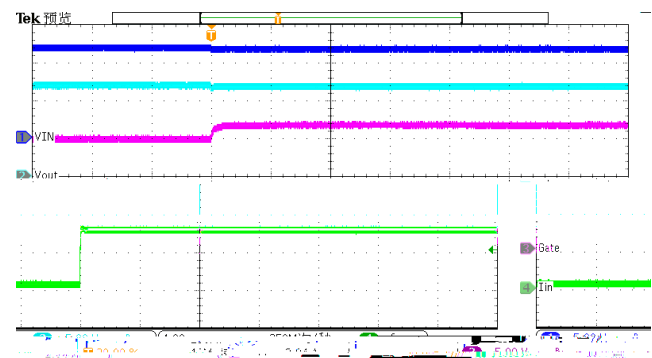
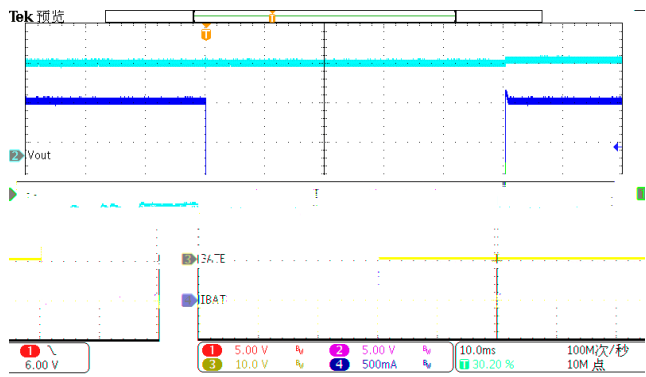
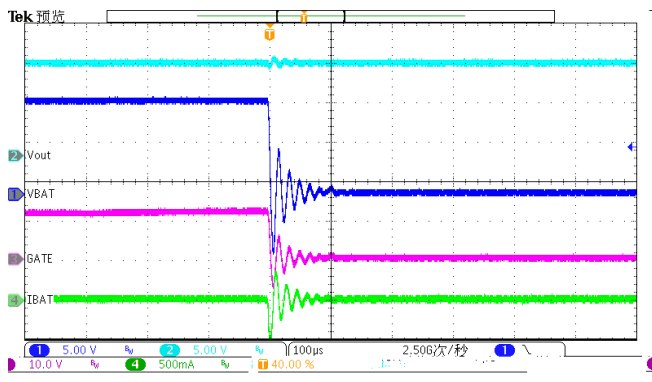
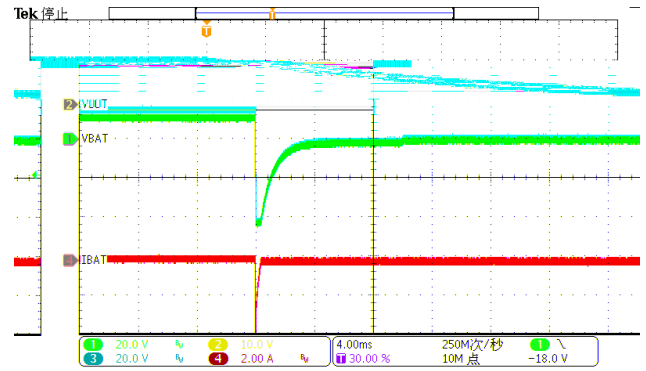
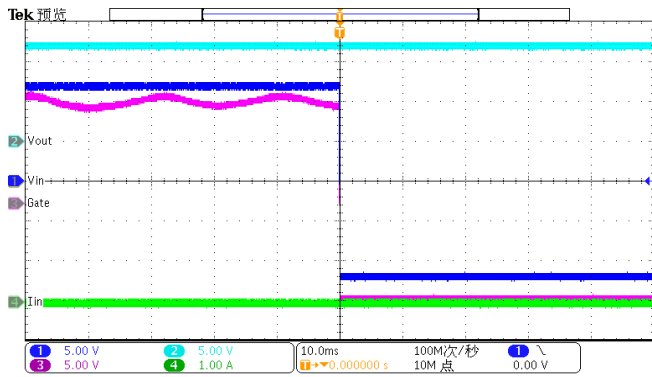
Typical Application- Reverse Polarity Protection



Design Parameters

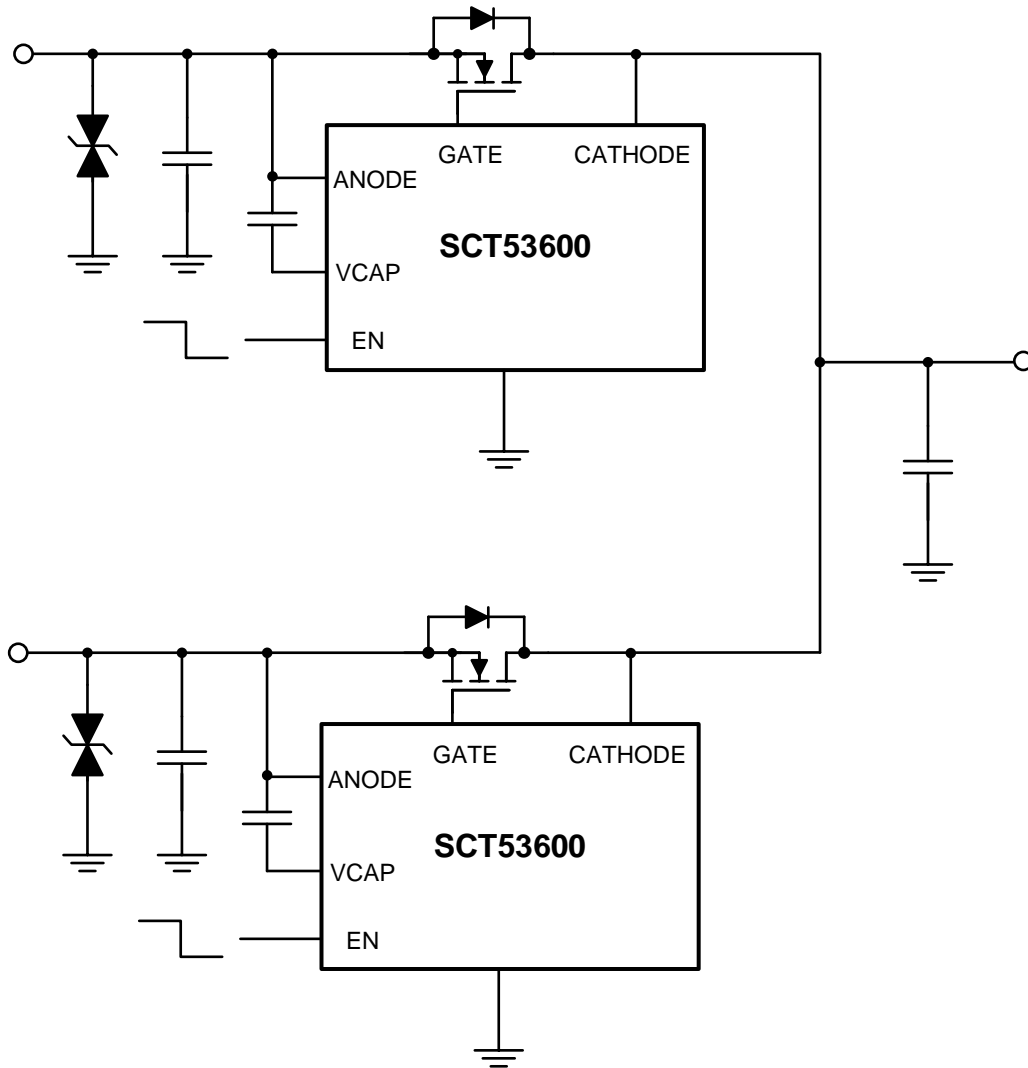
maximum continuous drain current I_D ,
maximum source current through body diode,

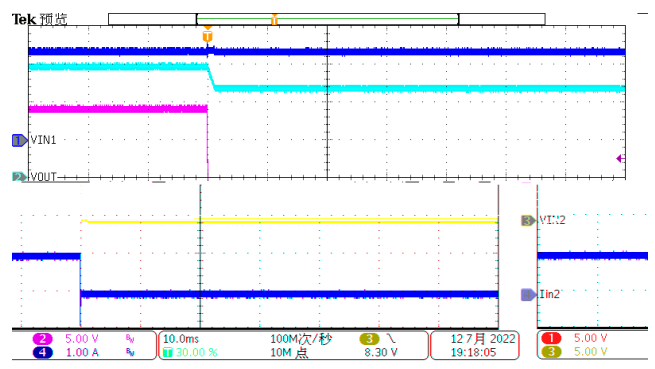
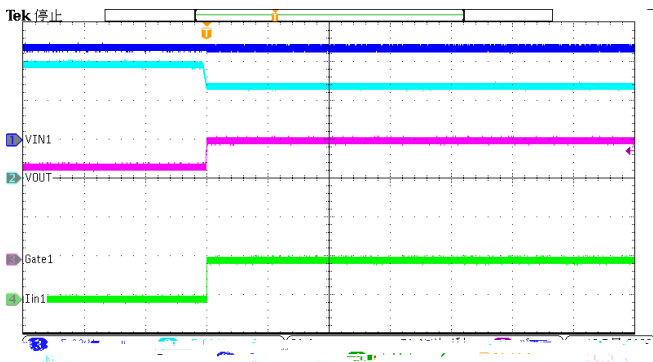
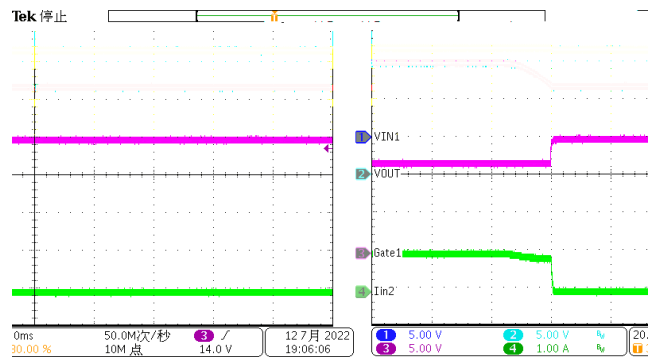
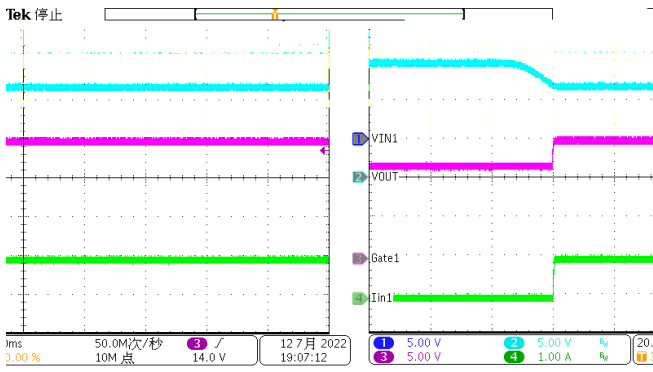
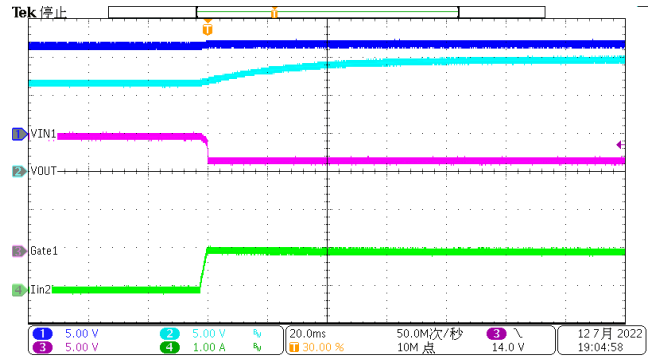
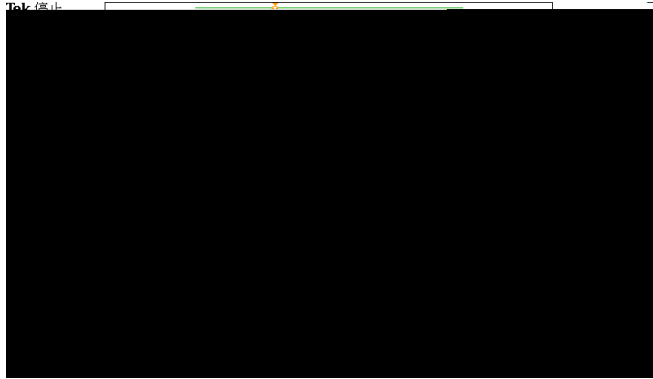




APPLICATION INFORMATION

Typical Application- Redundant Power







PACKAGE INFORMATION

@ XinbNE 3tô%00

TAPE AND REEL INFORMATION

