

ETA5056 Short protection test

Problem		
1	Test?	YES
2	Conclusion	NoQuestion
3	Test categ	Short By Wire

Test description
Short by wire

Test method description
扫描输入电压，使用导线短路输出，记录短路的波形及数据，波形记录 VIN\VOUT\ISW

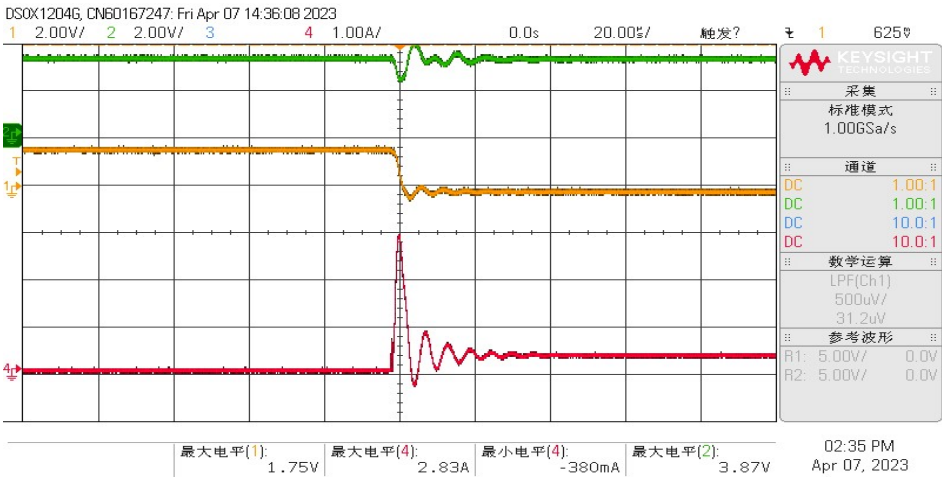
Scope channel	
CH1	VOUT
CH2	VIN/EN
CH3	VSW
CH4	ISW

Components	
Cin	2.2uF\25V\0805
COUT	1uF\25V\0805
CIN	
RFBU	15k\0603
L	
RFBD	12K\0603
Cff	

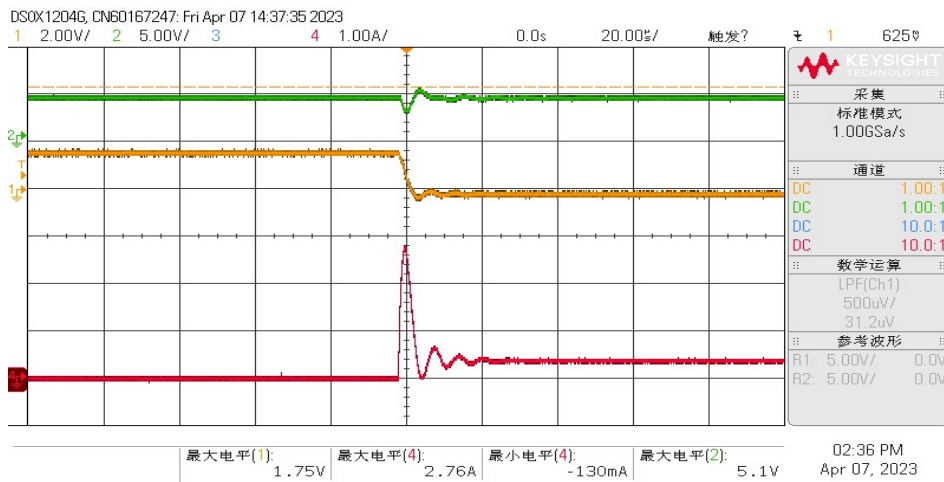
StepDelay(MS):		1000	PowerLimit(A)		5	PowerRMT(ON/OFF)		OFF
Config	SetPow1(V)	OFF	OFF	OFF	OFF	CH4_PK(A)		
No.	Vin-set (V)	IOUT(A)		Ilin_avg(A)		Il_pk(A)		
1	3.3					2.83		
2	4.2					2.76		
3	5					3.52		

OscilloscopeScreenshots

No.=1 Vin-set (V)=3.3 Short Circuit:



No.=2 Vin-set (V)=4.2 Short Circuit:



No.=3 Vin-set (V)=5 Short Circuit:

