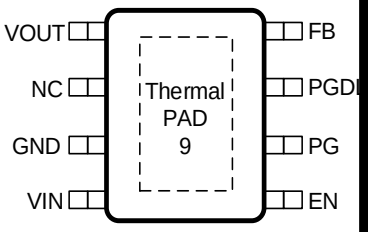

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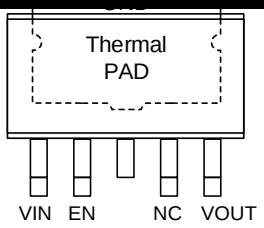


SCT71405FxxOWCR

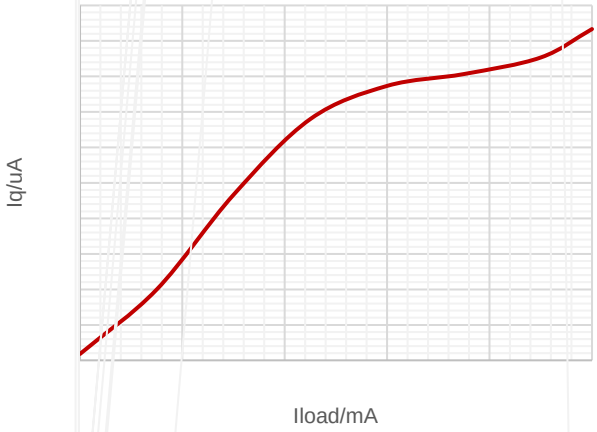
NAME	PIN	
	ESOP-8	ESOP-8

NAME	PIN FUNCTION		
	TO252-4	TO252-4	
	1		

1

PARAMETER（4-layer）

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply						
	( ) ( )					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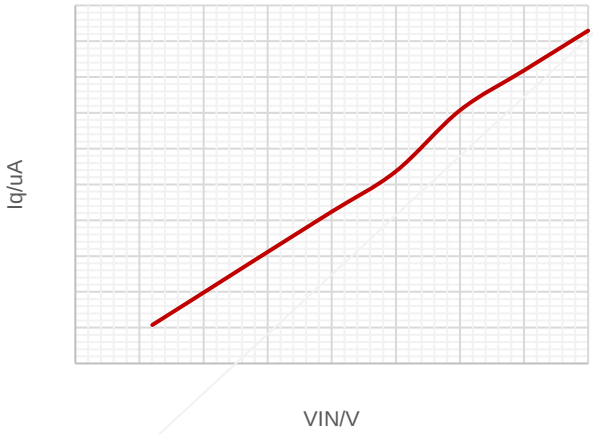
Iload/mA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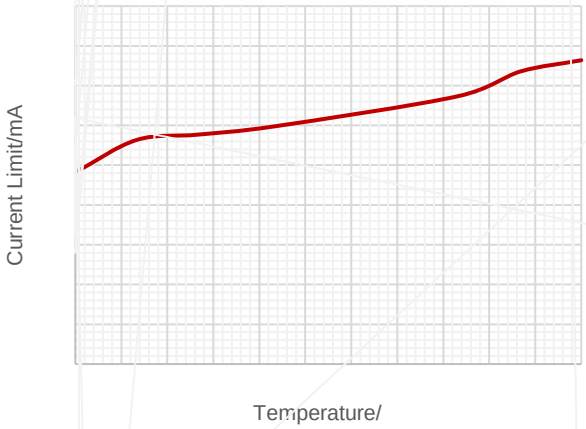
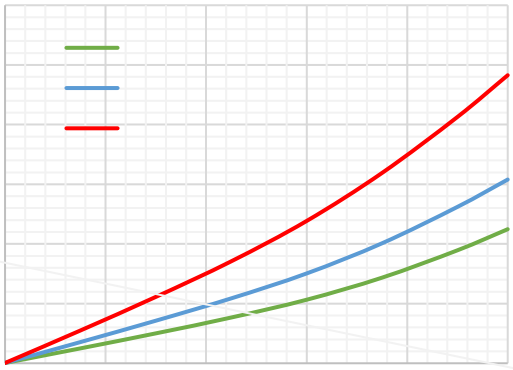
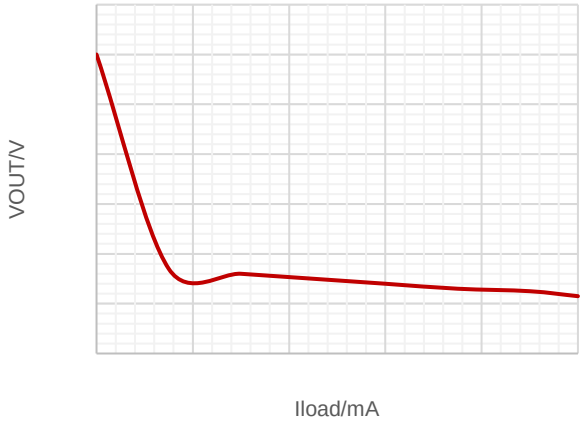
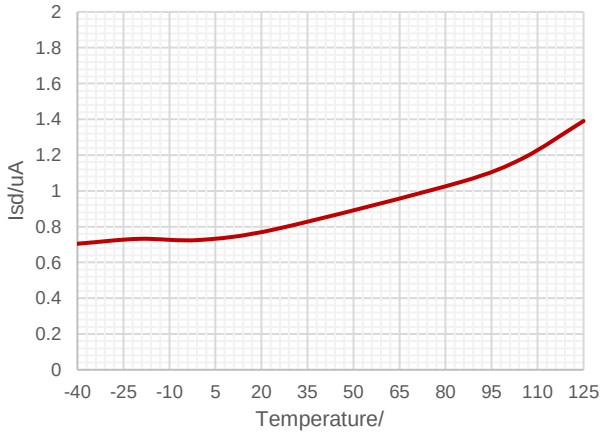
VIN/V

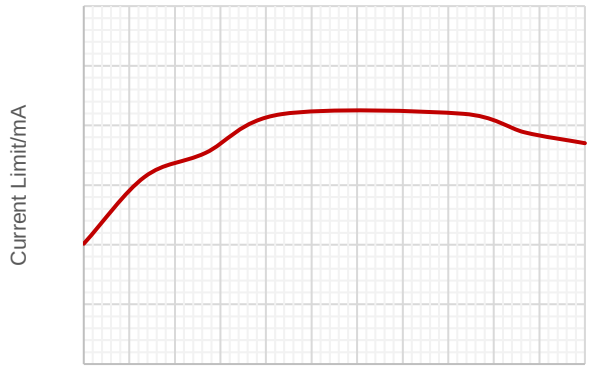

Current Limit/mA
Temperature/

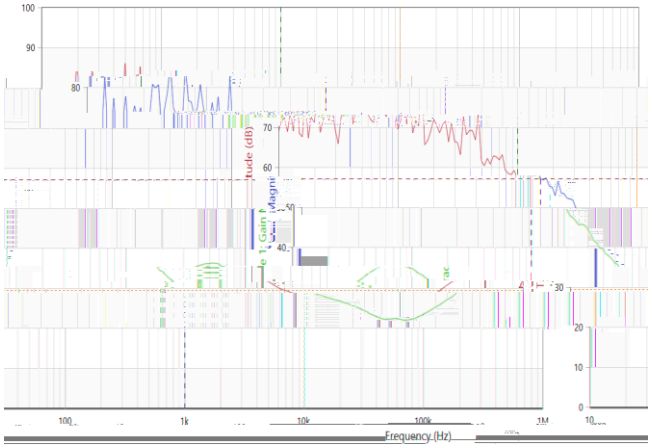


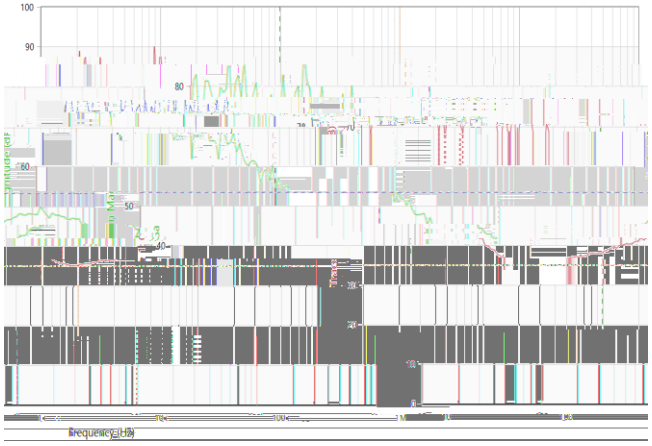

VOUT/V
Iload/mA

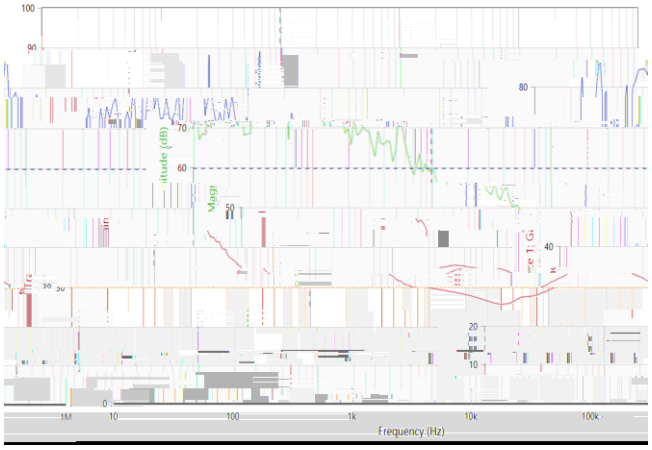

Isd/uA
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-40 -25 -10 5 20 35 50 65 80 95 110 125
Temperature/

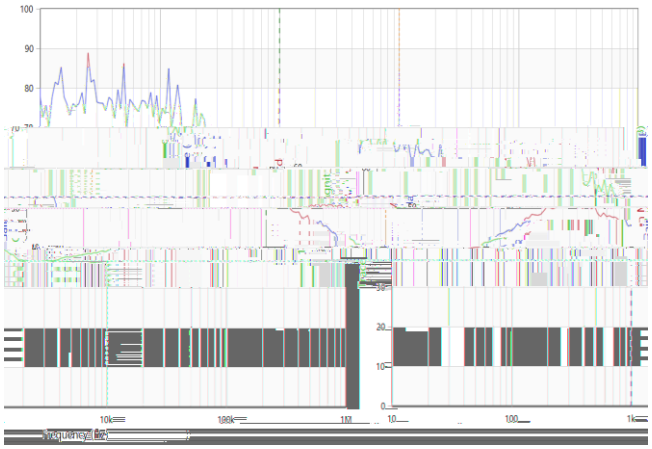
Iq/uA
Temperature/

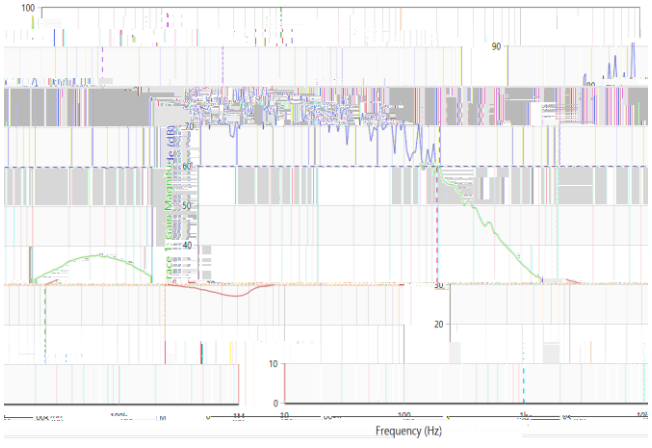

Current Limit/mA
Temperature/

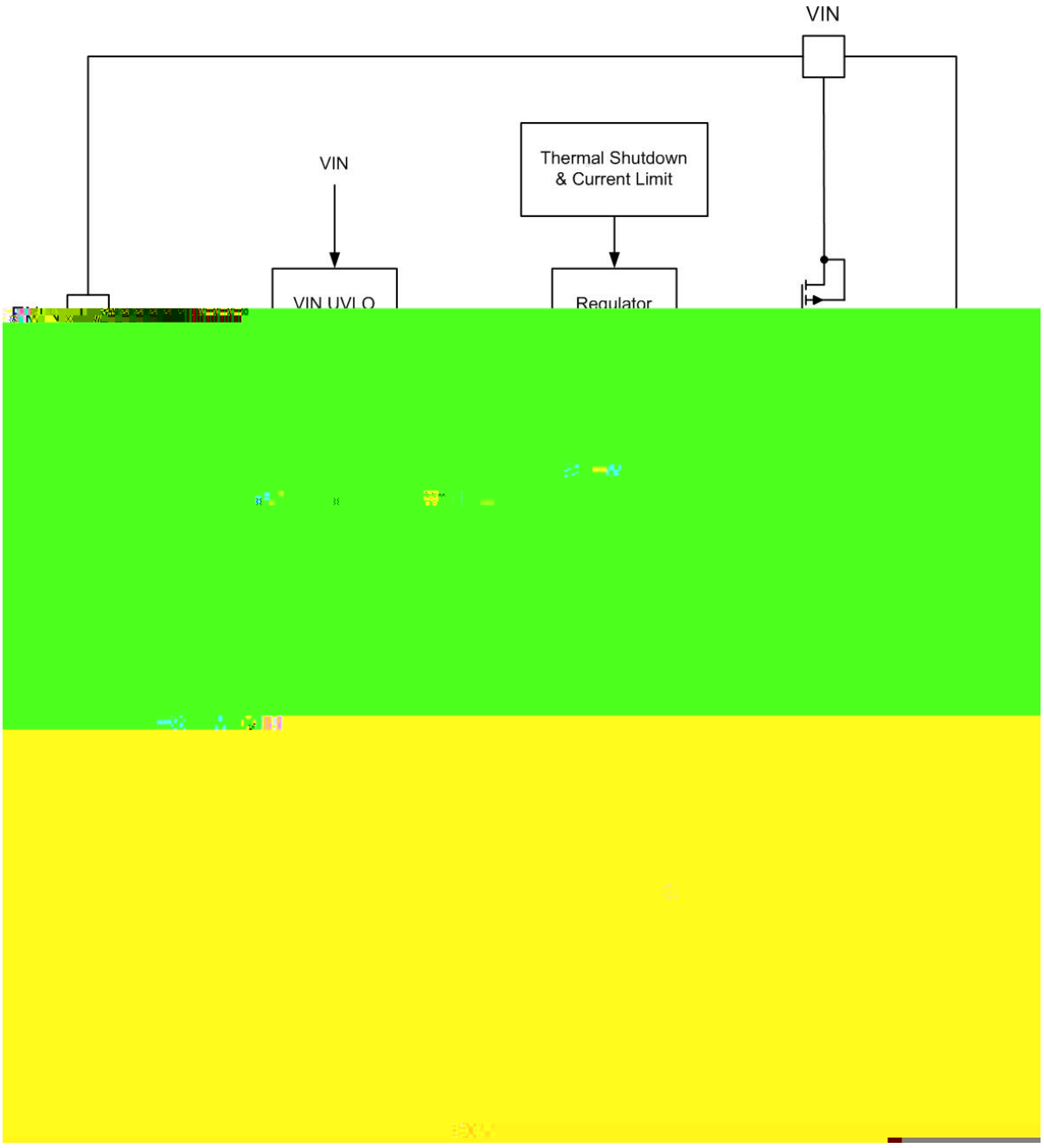

Frequency (Hz)




Frequency (Hz)

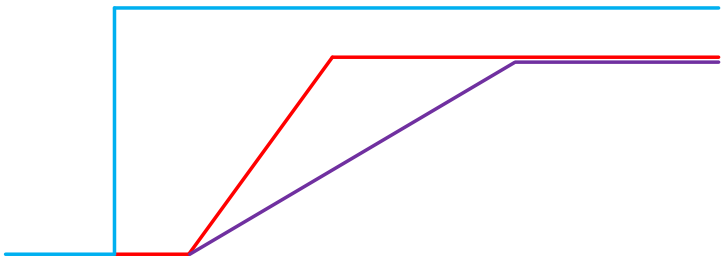



Frequency (Hz)


VIN
VIN
Thermal Shutdown
& Current Limit
VIN UVLO
Regulator

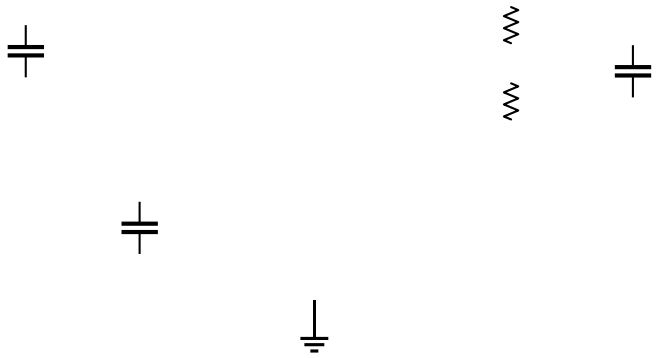
Overview

Over Current Limit and Foldback Current Limit



Power-Good and Power-Good Delay

Typical application 1:

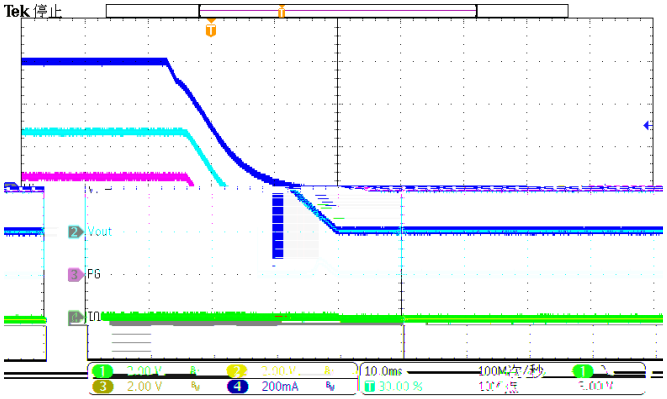


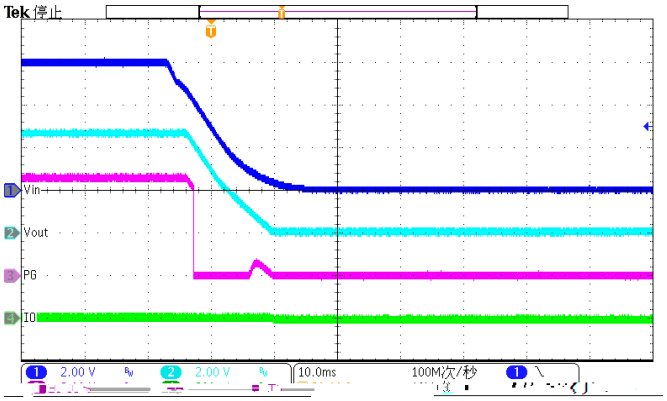
Output Voltage

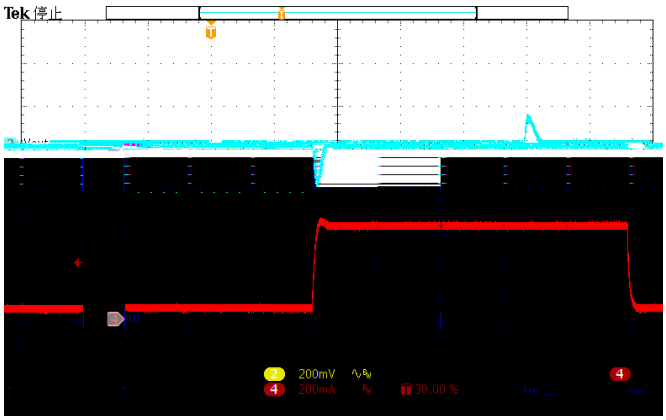
Table 1: Compensation Values for Typical Output Voltage/Capacitor Combinations

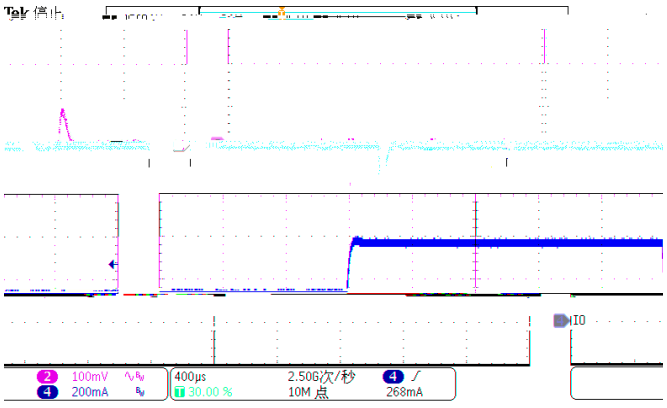
Power Dissipation and Thermal Performance

Application Waveforms

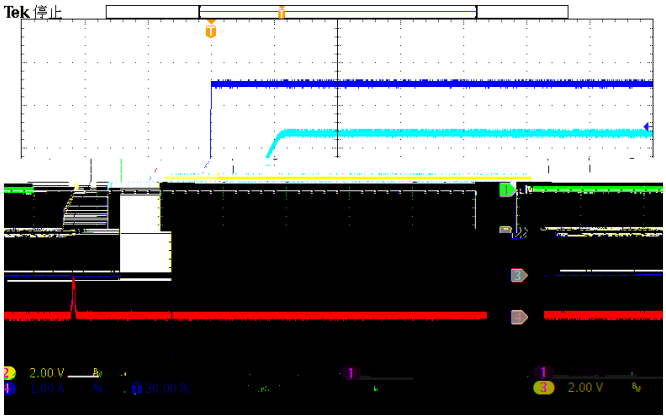


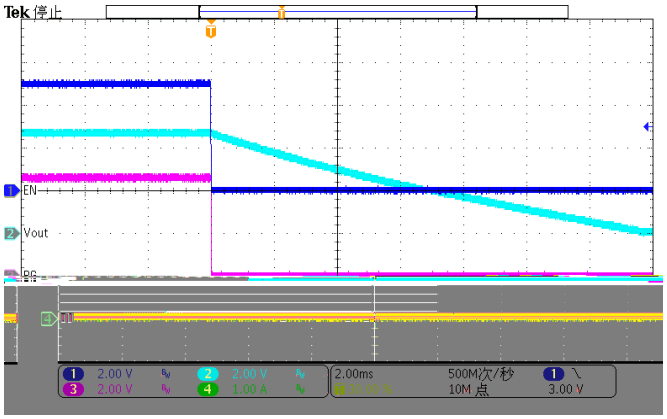


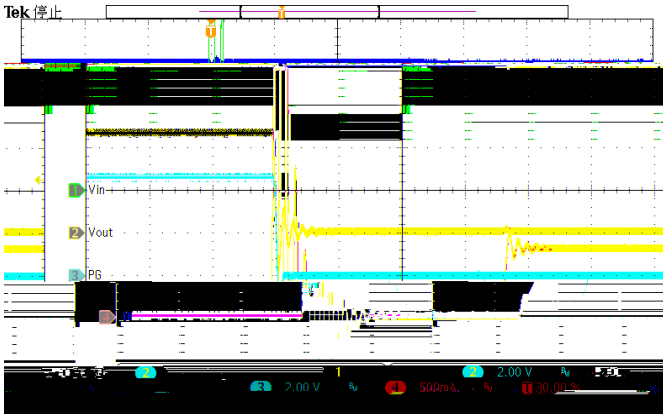


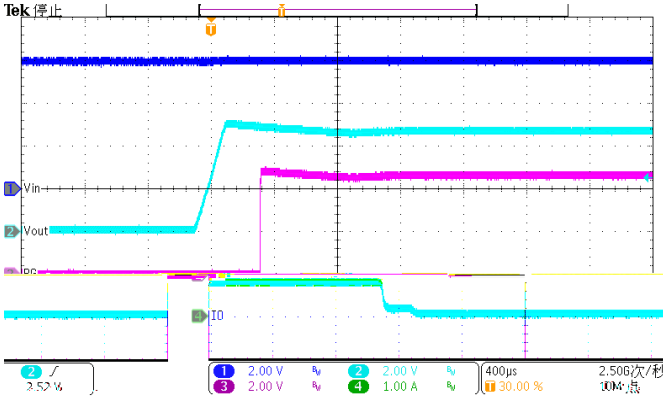


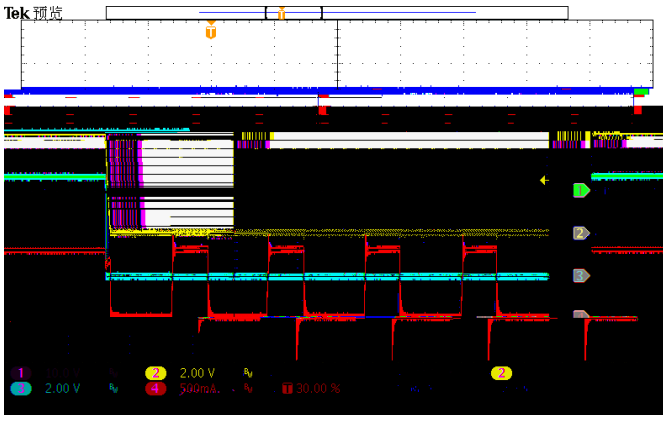
Application Waveforms(Continued)

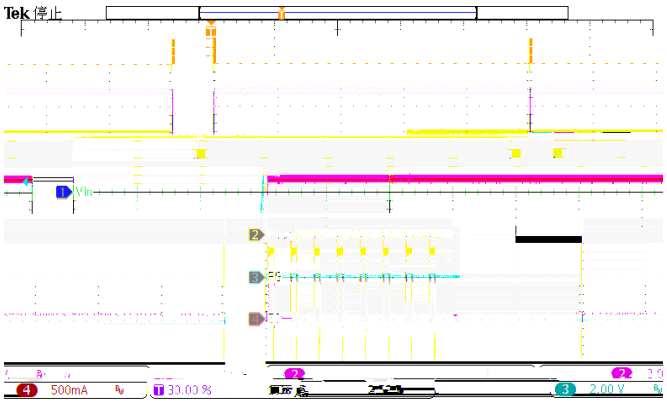






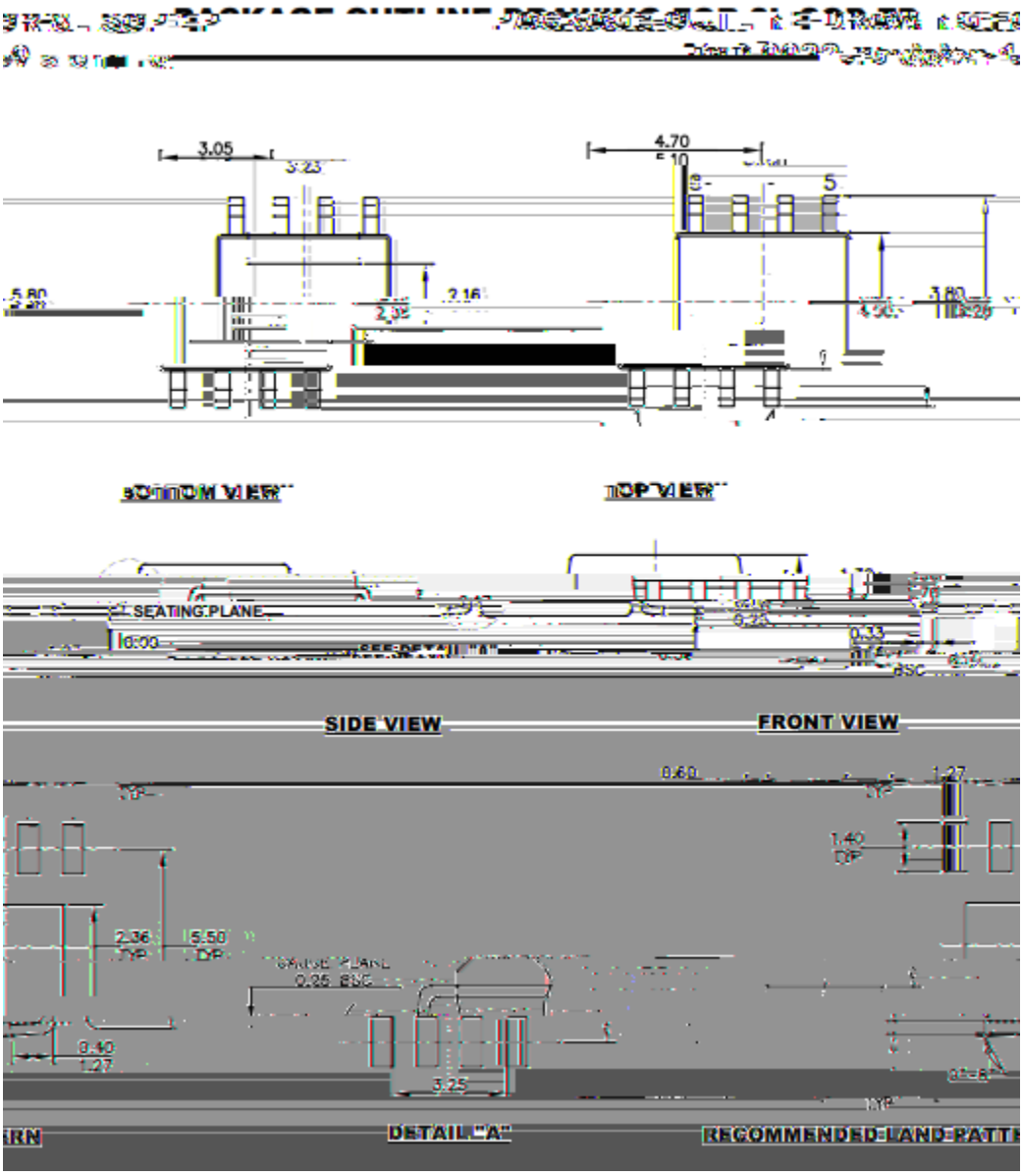






Layout Guideline

1.
2.


3.05
4.70
2.16
SEATING PLANE
SIDE VIEW
FRONT VIEW
0.60
1.27
1.40
2.36
5.50
0.25 BSC
0.40
1.27
3.25
DETAIL "A"

NOTE:

1.
2.
3.
4.
5.
6.