# 3.6V-36V Vin, 3A, High Efficiency Synchronous Step-down DCDC Converter

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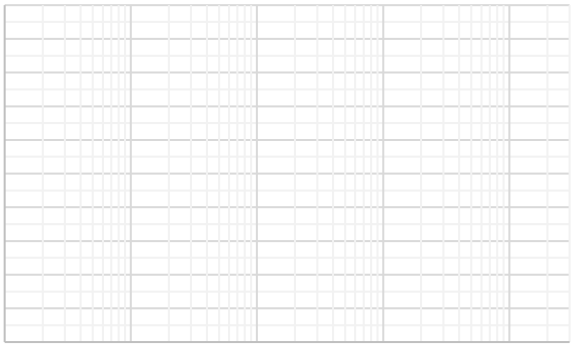
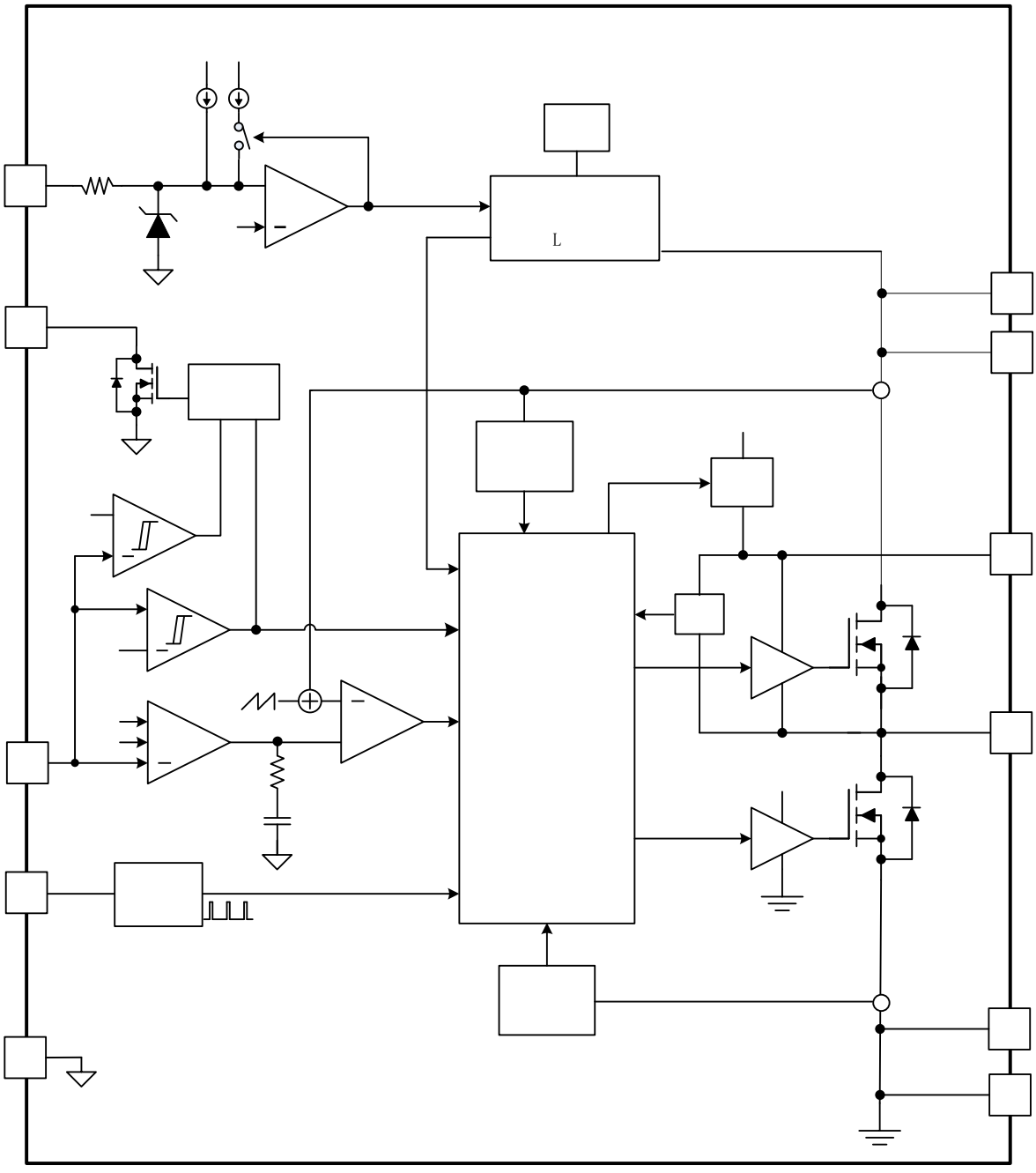


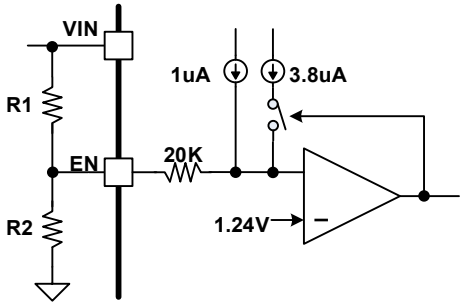

L

$f$ $\frac{S}{S}$ $ii$

$\frac{S}{S}$

$BKC$

$ii$ $BKC$




$C$ $LM$ $\frac{LR}{OBC}$ $C$ $L$

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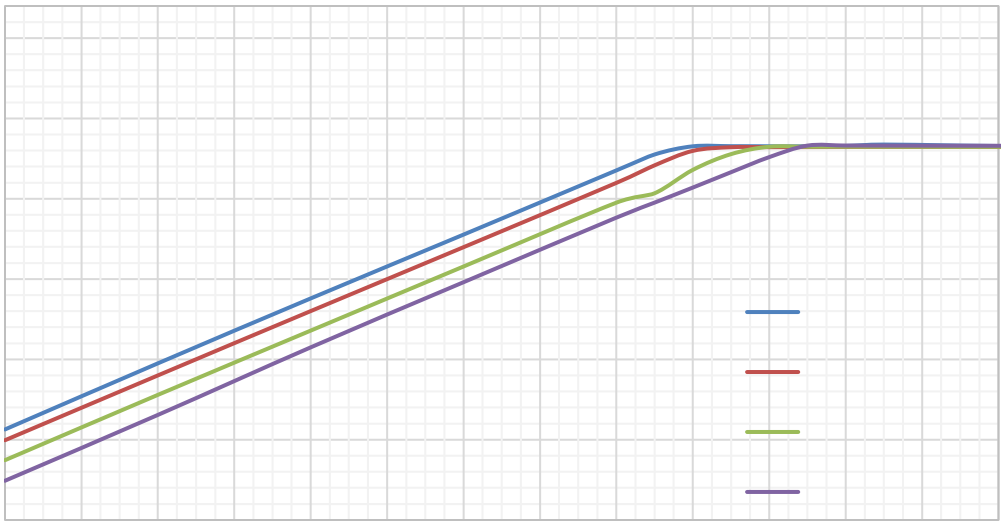

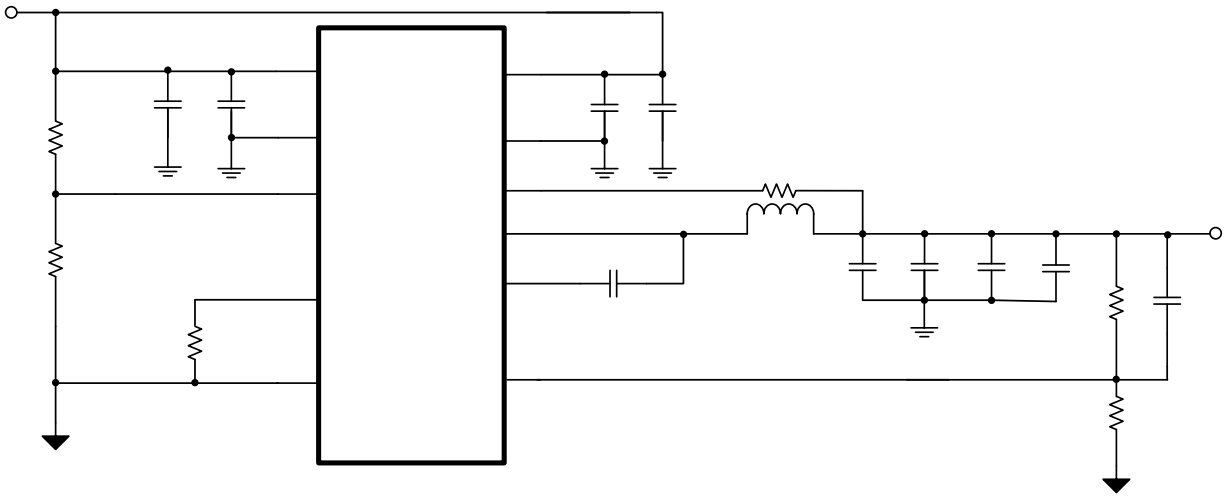

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0 $\frac{LR}{OBC}$ 1

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$$f \quad \frac{S}{S} \qquad ii$$

$$\frac{S}{S}$$

BKC

ii BKC

IMM S S 8S

S I

I FK S S

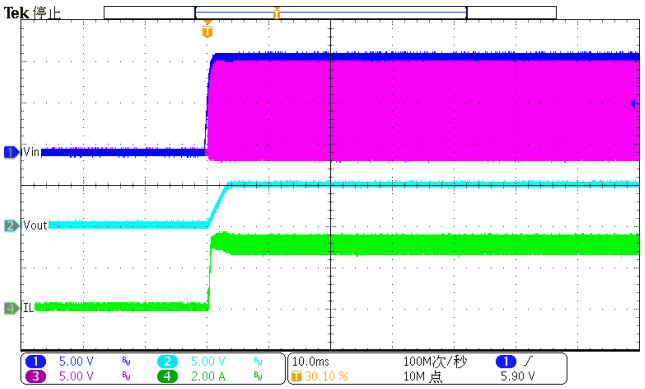
IRO F S

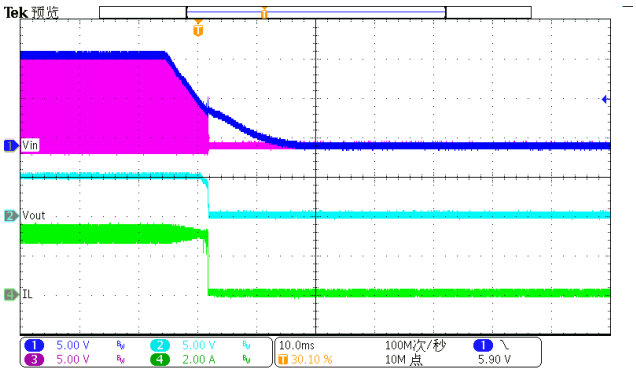
IMB LR F

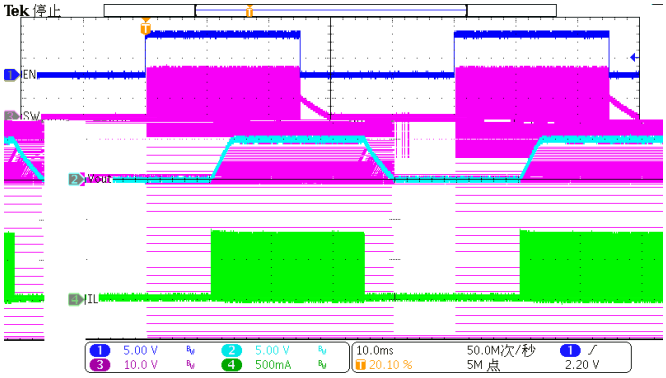
IO P LR IMM

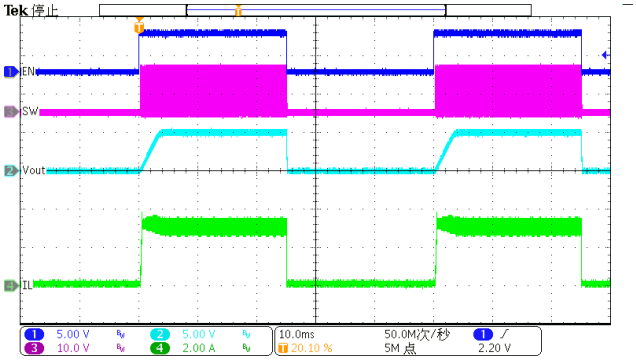
R $\frac{S \quad S \quad 8S}{5 \quad I \quad S}$

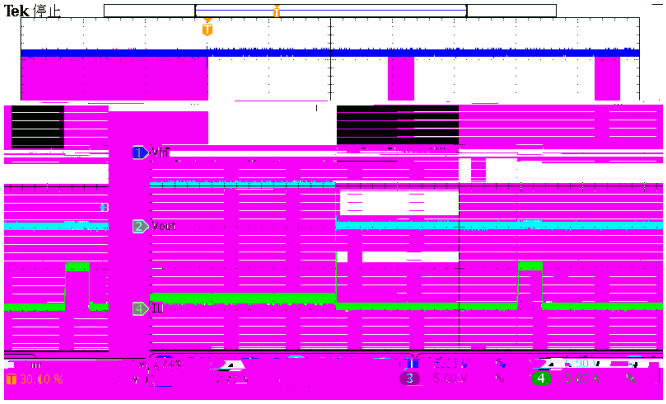
R

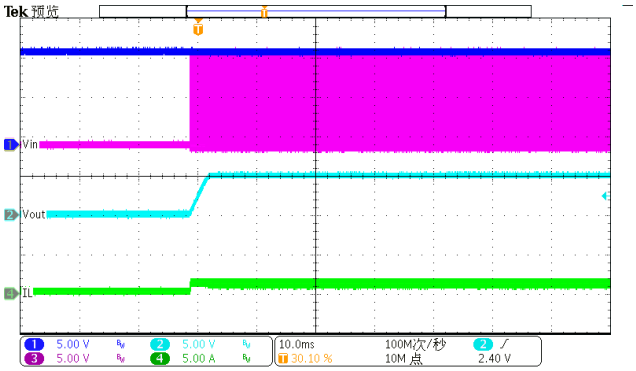

Tek 停止
Vin
Vout
IL
5.00 V
5.00 V
5.00 V
2.00 A
10.0ms
30.10 %
100M次/秒
10M 点
5.90 V

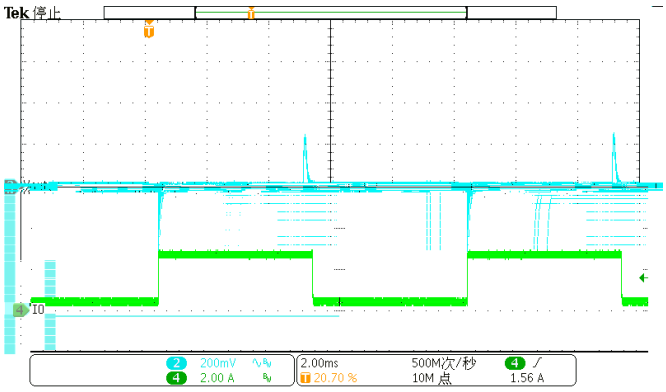

Tek 预览
Vin
Vout
IL
5.00 V
5.00 V
5.00 V
2.00 A
10.0ms
30.10 %
100M次/秒
10M 点
5.90 V

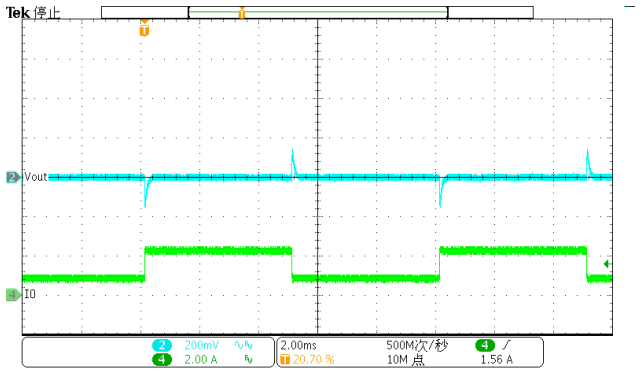

Tek 停止
EN
SW
Vout
IL
5.00 V
10.0 V
5.00 V
500mA
10.0ms
20.10 %
50.0M次/秒
5M 点
2.20 V

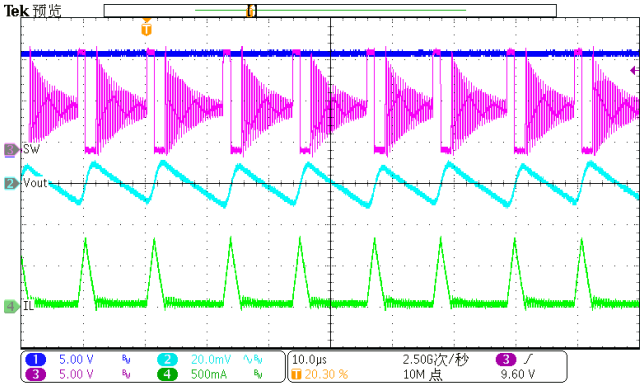

Tek 停止
EN
SW
Vout
IL
5.00 V
10.0 V
5.00 V
2.00 A
10.0ms
20.10 %
50.0M次/秒
5M 点
2.20 V

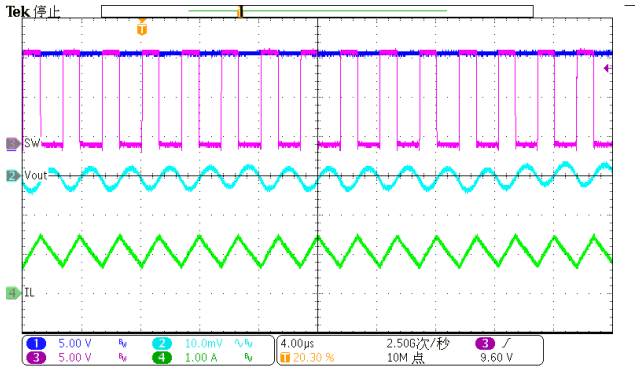

Tek 停止
Vin
Vout
IL

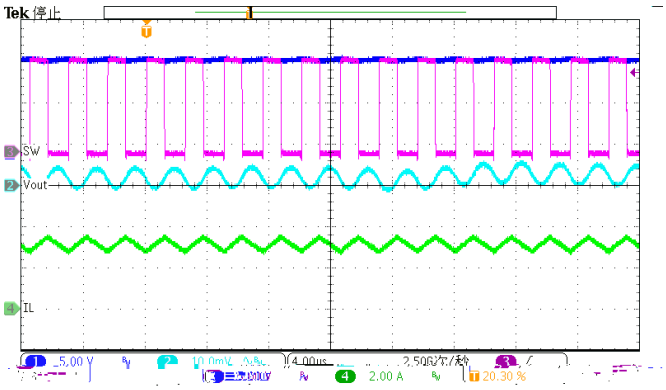

Tek 预览
Vin
Vout
IL
5.00 V
5.00 V
5.00 V
5.00 A
10.0ms
30.10 %
100M次/秒
10M 点
2.40 V

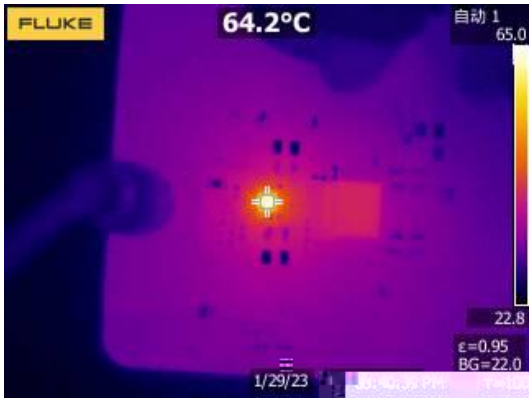

Tek 停止
Vout
IO
2 200mV
4 2.00 A
2.00ms
20.70 %
500M次/秒
10M 点
4
1.56 A

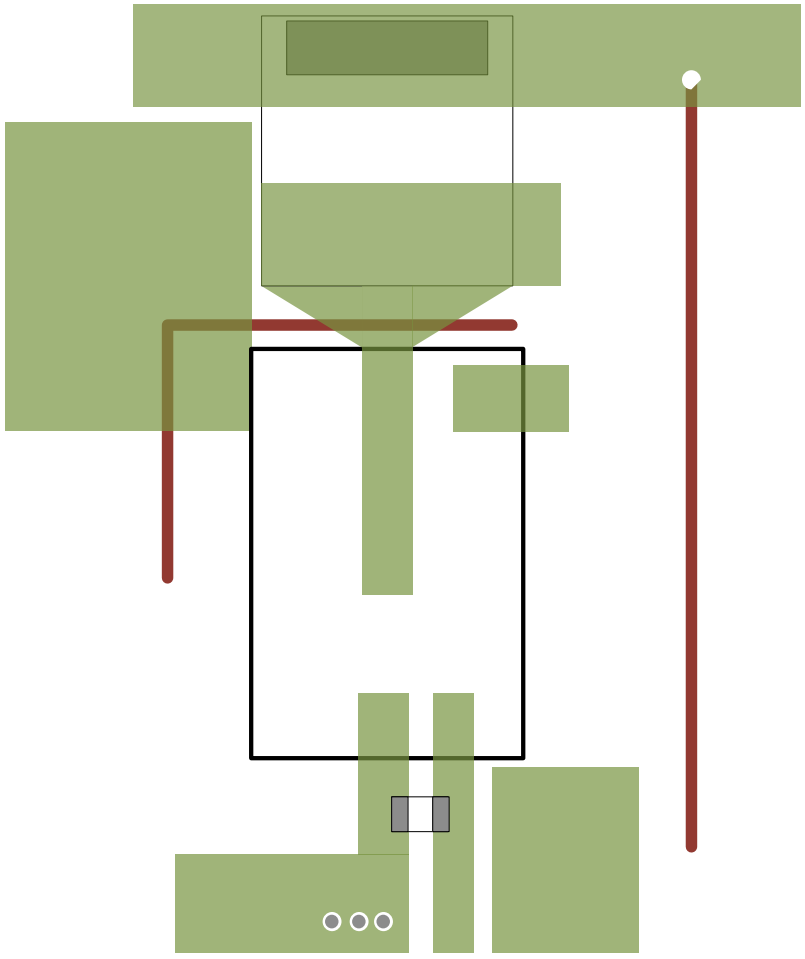

Tek 停止
Vout
IO
2 200mV
4 2.00 A
2.00ms
20.70 %
500M次/秒
10M 点
4
1.56 A

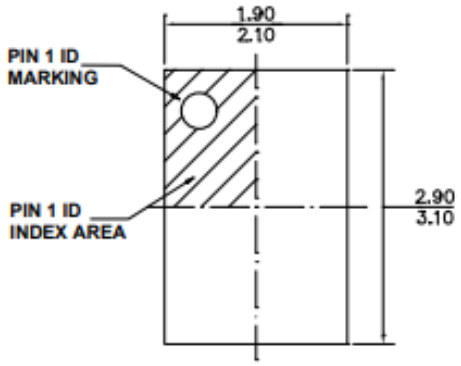

Tek 预览
SW
Vout
IL
1 5.00 V
3 5.00 V
2 20.0mV
4 500mA
10.0µs
20.30 %
2.50G次/秒
10M 点
3
9.60 V


Tek 停止
SW
Vout
IL
1 5.00 V
3 5.00 V
2 10.0mV
4 1.00 A
4.00µs
20.30 %
2.50G次/秒
10M 点
3
9.60 V

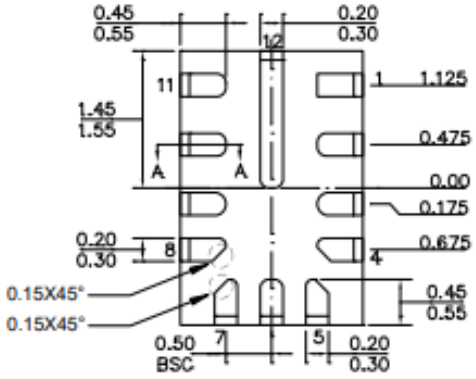

Tek 停止
SW
Vout
IL
4
2.00 A
20.30 %


FLUKE
64.2°C
自动 1
65.0
22.8
ε=0.95
BG=22.0
1/29/23

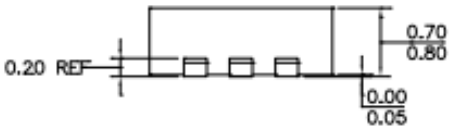




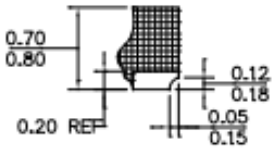

**TOP VIEW**



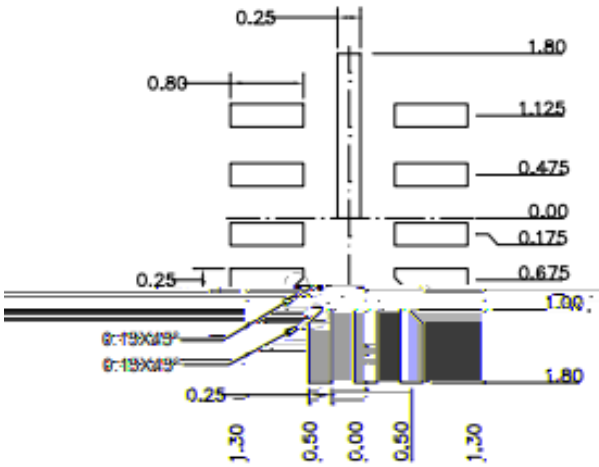

**BOTTOM VIEW**




**SIDE VIEW**



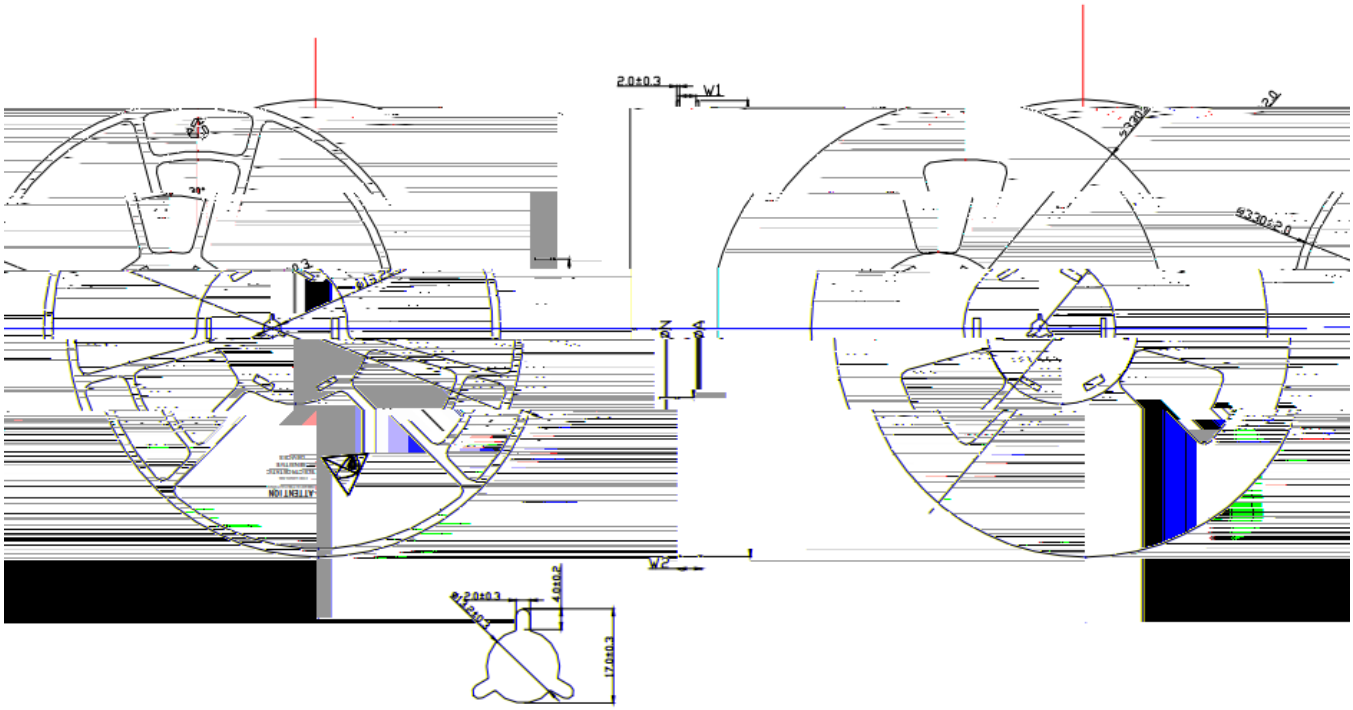

**SECTION A-A**

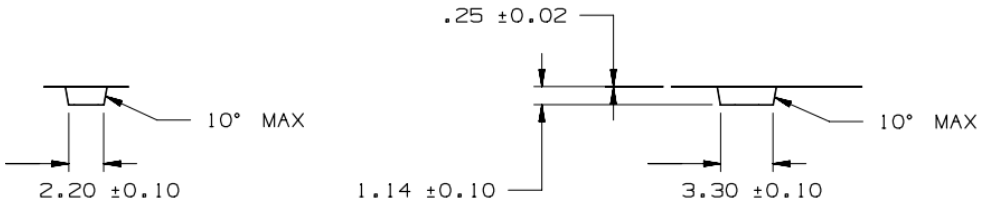



**RECOMMENDED LAND PATTERN**

**NOTE:**

**1) THE LEAD SIDE IS WETTABLE.**
**2) ALL DIMENSIONS ARE IN MILLIMETERS.**
**3) LEAD COPLANARITY SHALL BE 0.08 MILLIMETERS MAX.**


2.0±0.3
W1
W2
4.0±0.2
17.0±0.3


10° MAX
2.20 ±0.10
.25 ±0.02
1.14 ±0.10
10° MAX
3.30 ±0.10