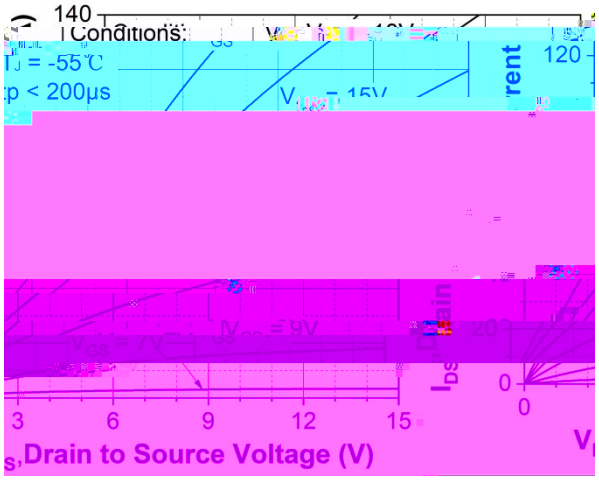
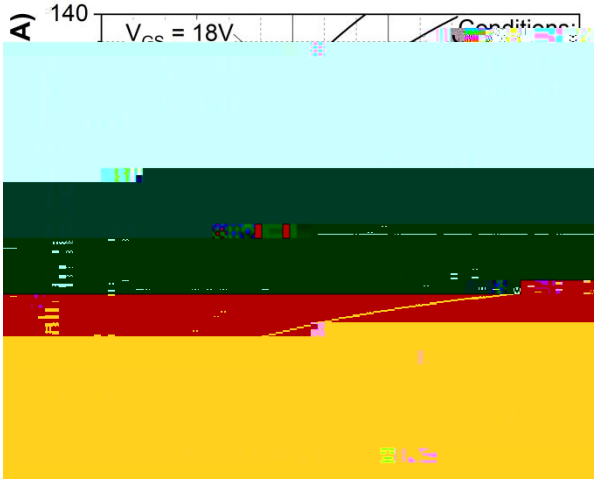
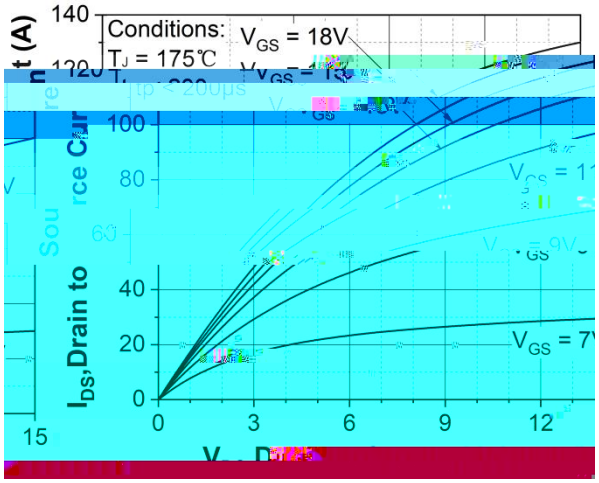
SICHAIN

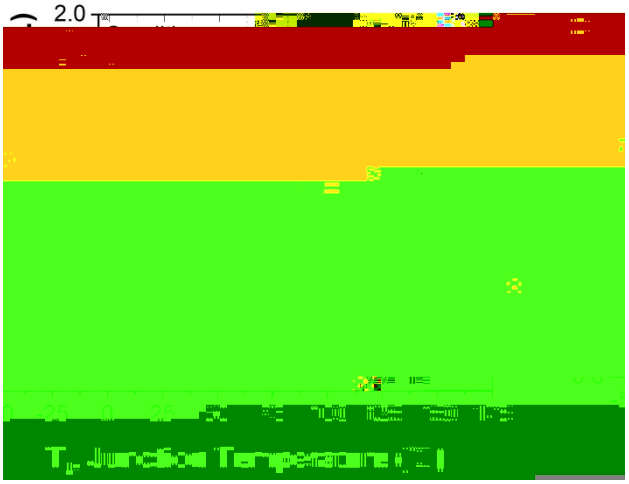
Halogen-Free

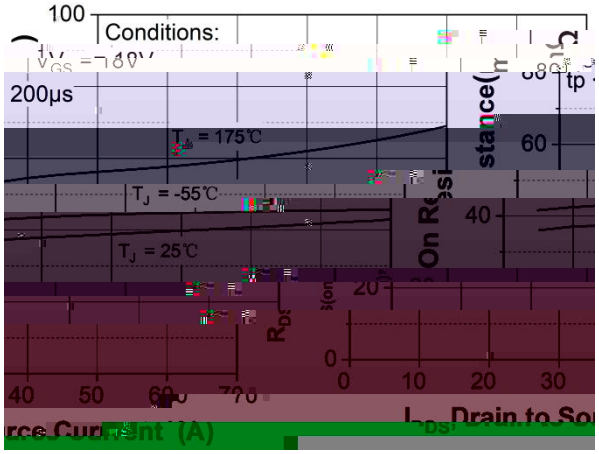
				≤	

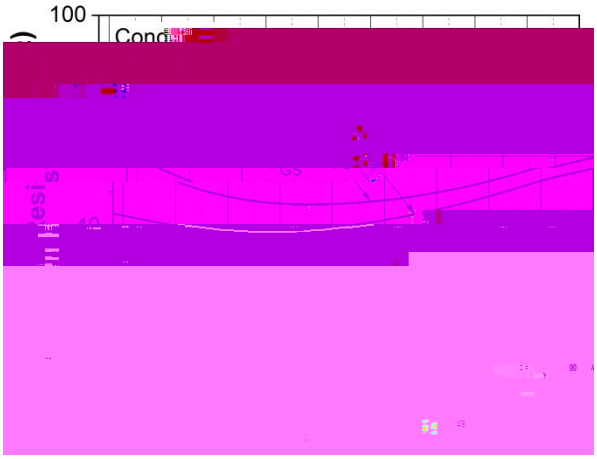

Conditions:
TJ = -55℃
tp < 200μs
VGS = 9V
140
120
0
3
6
9
12
15
Drain to Source Voltage (V)

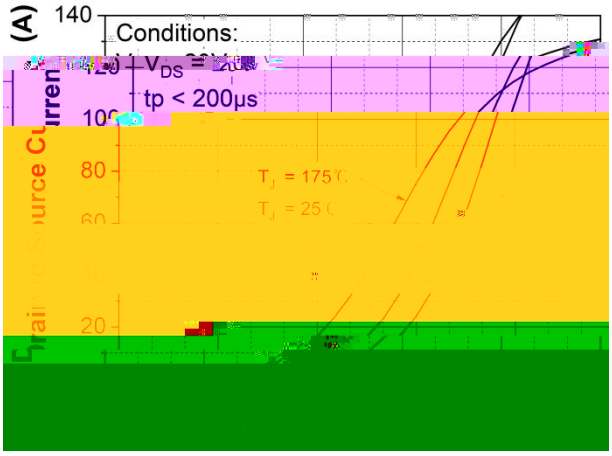

VGS = 18V
140

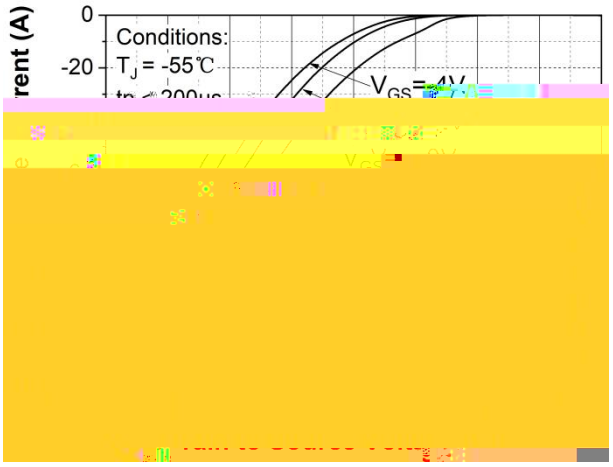

Conditions:
VGS = 18V
TJ = 175℃
140
120
100
80
60
40
20
0
0
3
6
9
12
15
IDS,Drain to

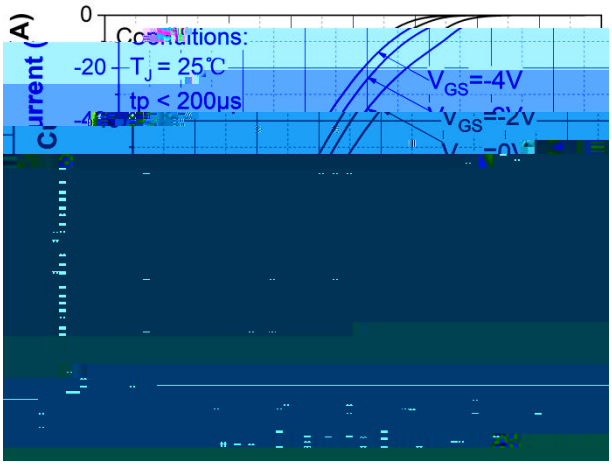

2.0

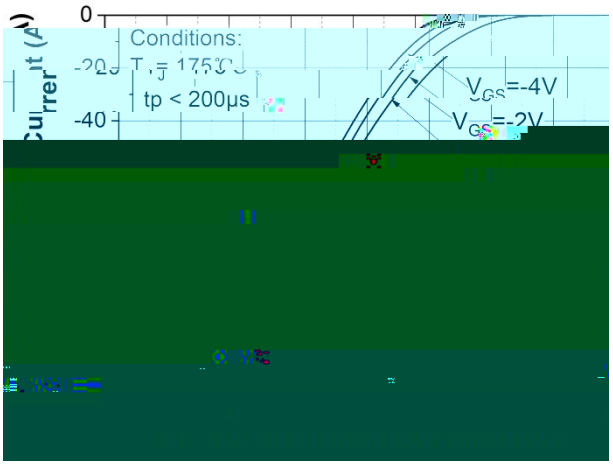

Conditions:
200μs
TJ = 175℃
TJ = -55℃
TJ = 25℃
100
60
40
20
0
0
10
20
30
40
50
60
70

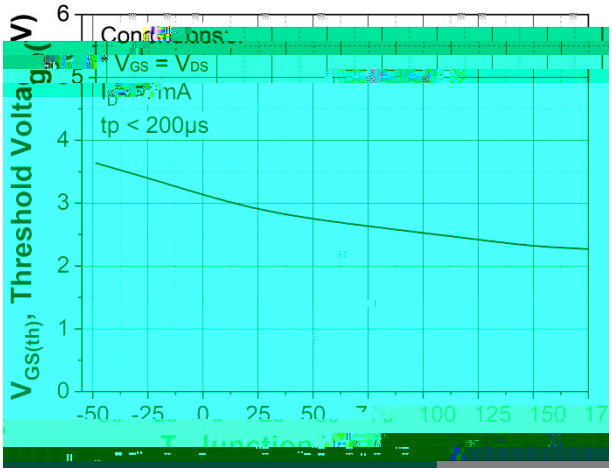

100

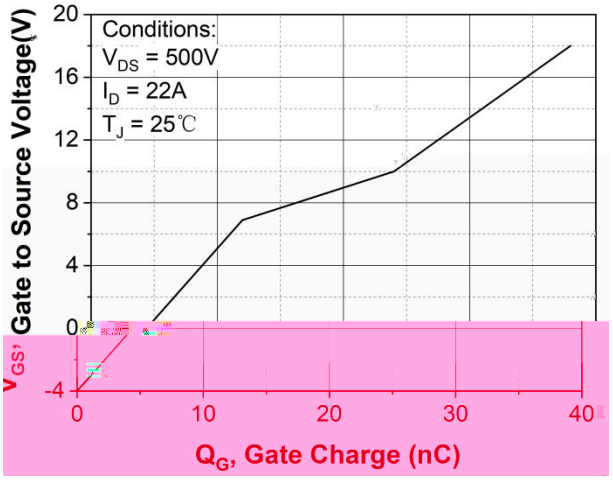

Conditions:
tp < 200μs
140
80
20

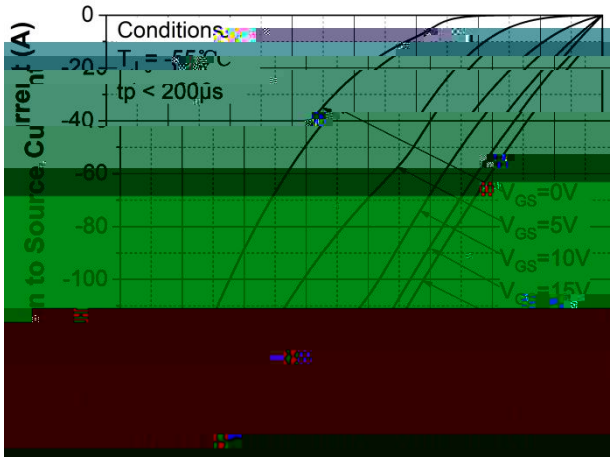

Conditions:
T_J = -55℃
0
-20

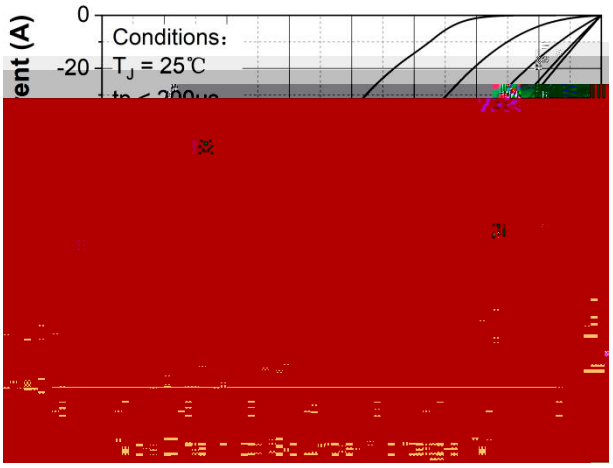

Conditions:
T_J = 25℃
tp < 200μs
V_{GS}=-4V
0
-20

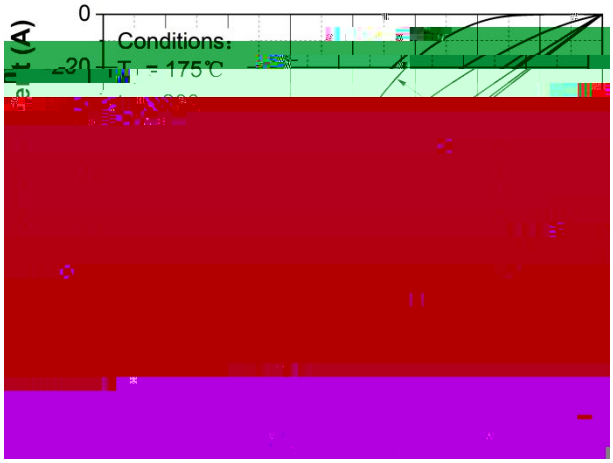

Conditions:
tp < 200μs
V_{GS}=-4V
0
-40

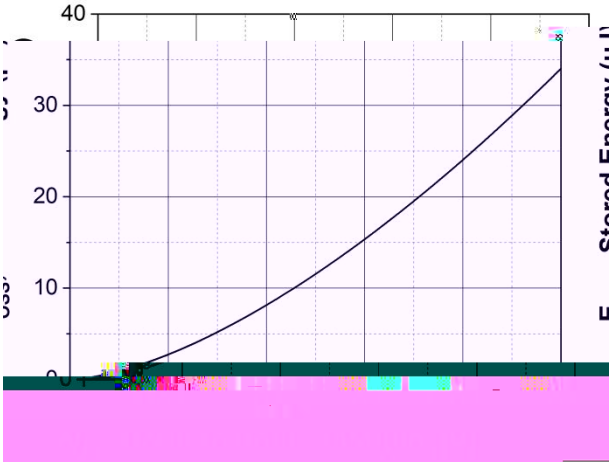

V_{GS} = V_{DS}
tp < 200μs
6
5
4
3
2
1
0
-50
-25
0
25
50
100
125
150

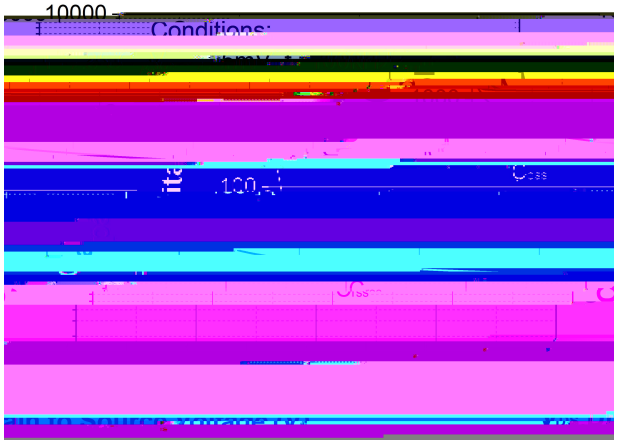

Conditions:
V_{DS} = 500V
I_D = 22A
T_J = 25℃
20
16
12
8
4
0
-4
0
10
20
30
40
Q_G, Gate Charge (nC)

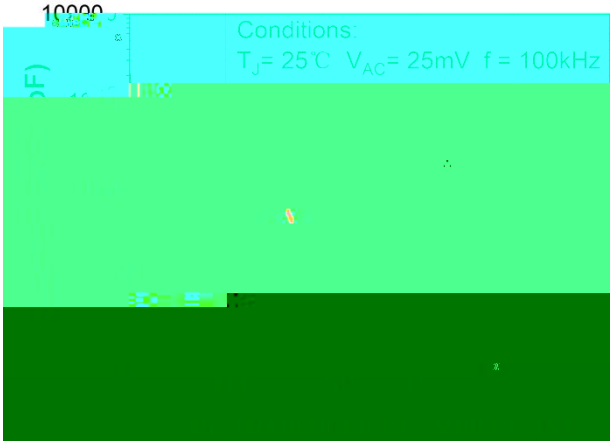

Conditions:
tp < 200μs
0
-20
-40
-60
-80
-100
V_{GS}=0V
V_{GS}=5V
V_{GS}=10V

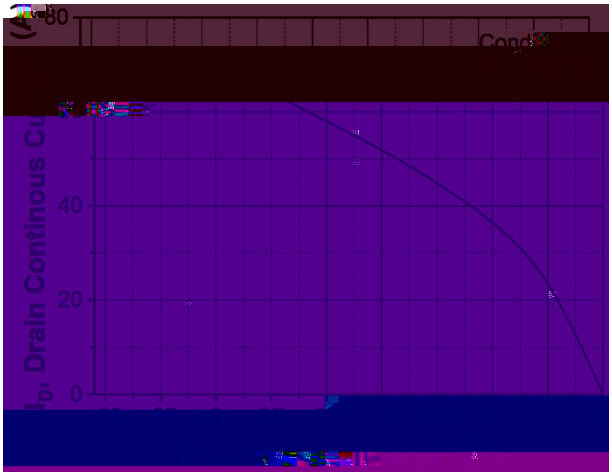

Conditions:
T_J = 25℃
0
-20

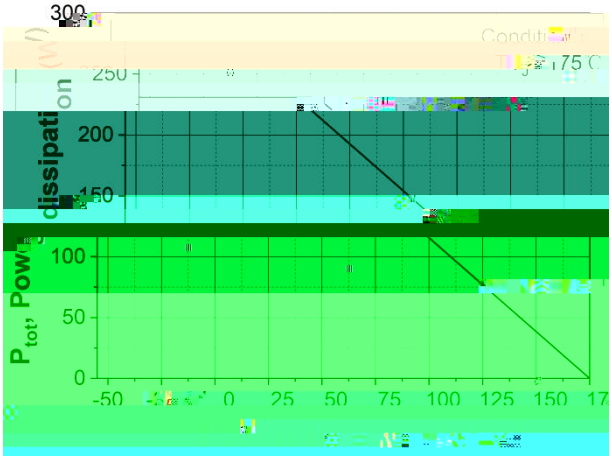

Conditions:
0
-20

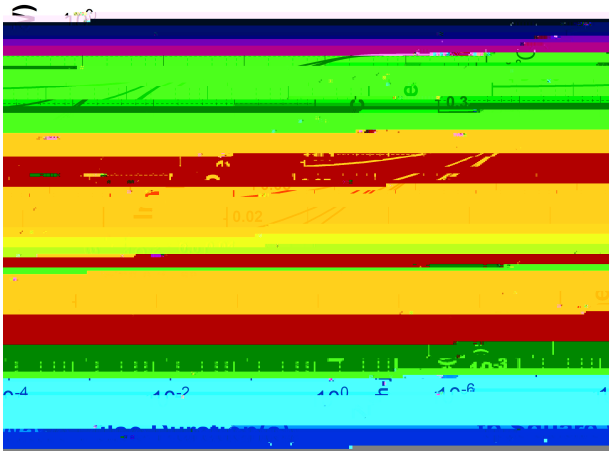

40
30
20
10

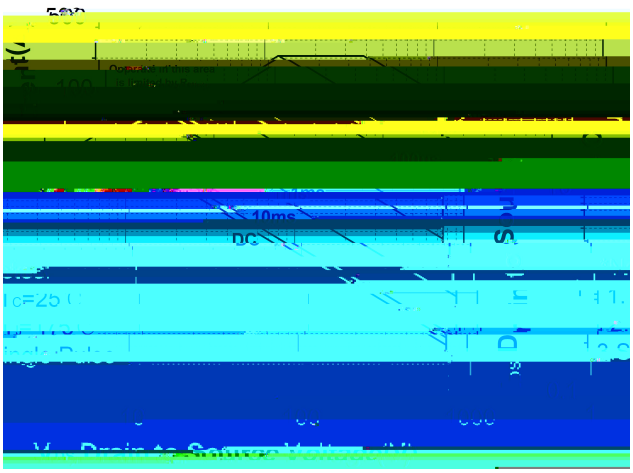

10000
Conditions:
100

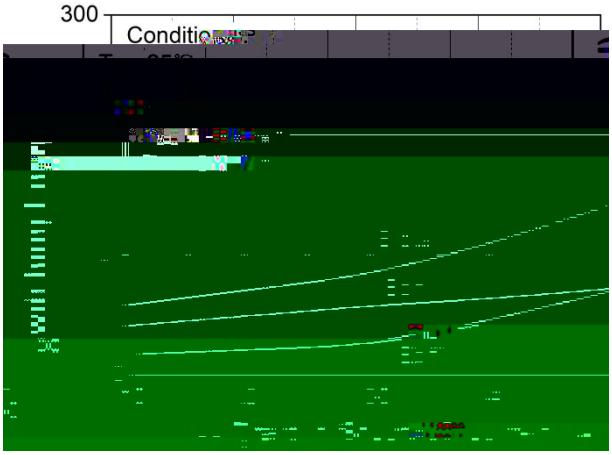

10000
Conditions:
T_J= 25℃ V_{AC}= 25mV f = 100kHz

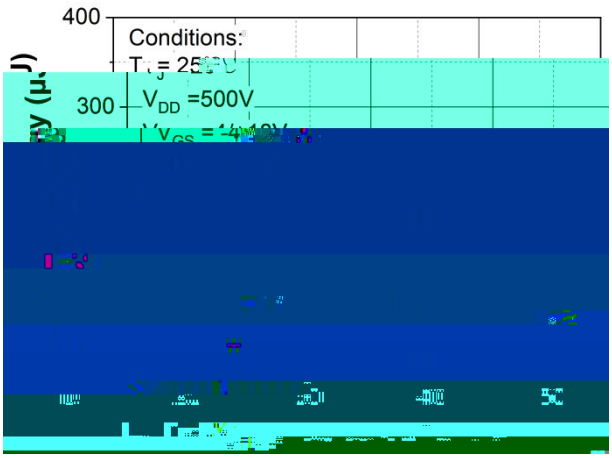

80
40
20
0

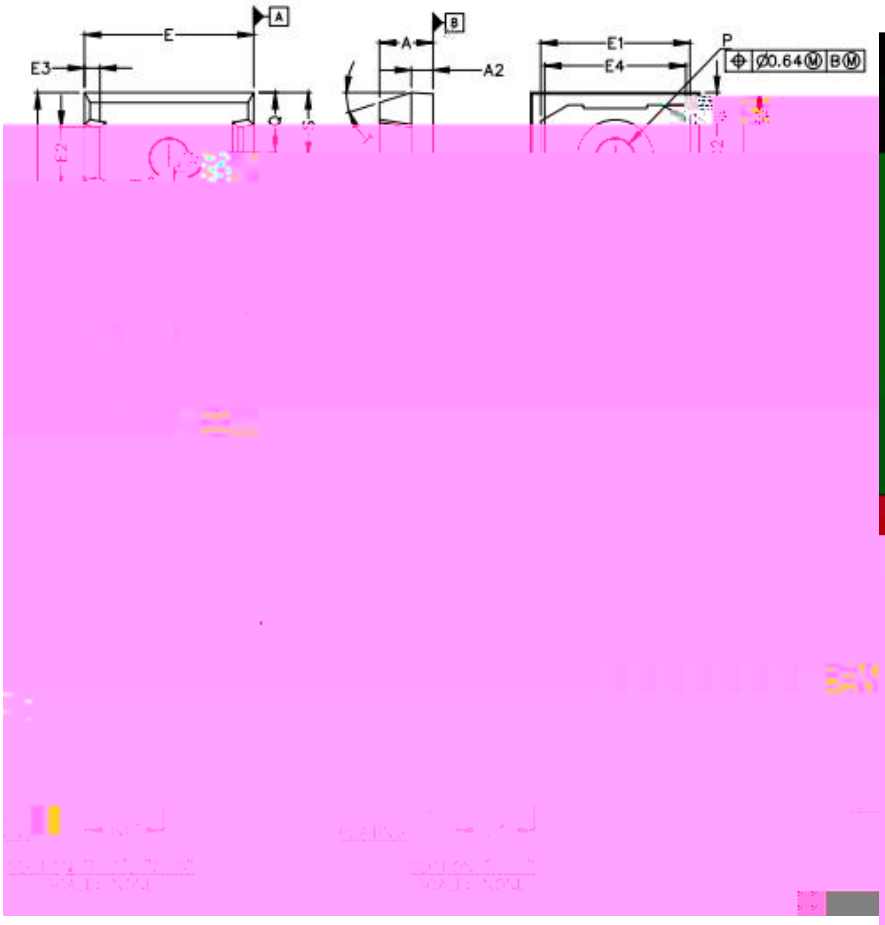

300
250
200
150
100
50
0
-50
0
25
50
75
100
125
150




10ms
DC


300


400
Conditions:
300
V_{DD} =500V



NOTE ;

1. ALL METAL SURFACES: TIN PLATED,EXCEPT AREA OF CUT

SUHGX“Y@Ð QRQUHFDQU” X VuQ Q HdÎH

RG

P