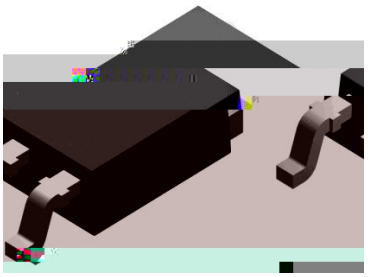
L4080 3 TO 400mA

TO252-3

VI VQ+Vdr V1 42V VQ Vdr

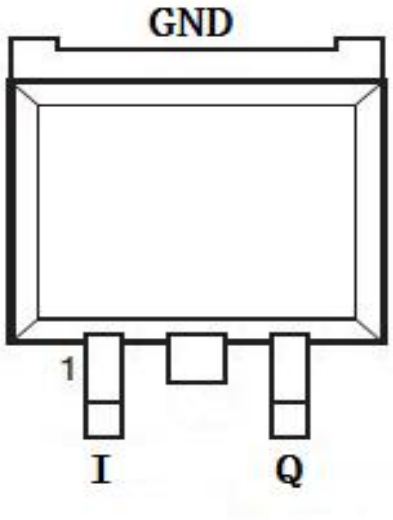
0.3V 0.5V

- 5V
- 400mA
- 0.3V
-
-
- 42V
- AEC-Q100
- RoHS





3-1 L4080



3-2

1	I	
2	GND	
3	Q	10KHz CQ≥10uF ESR≤10Ω

4

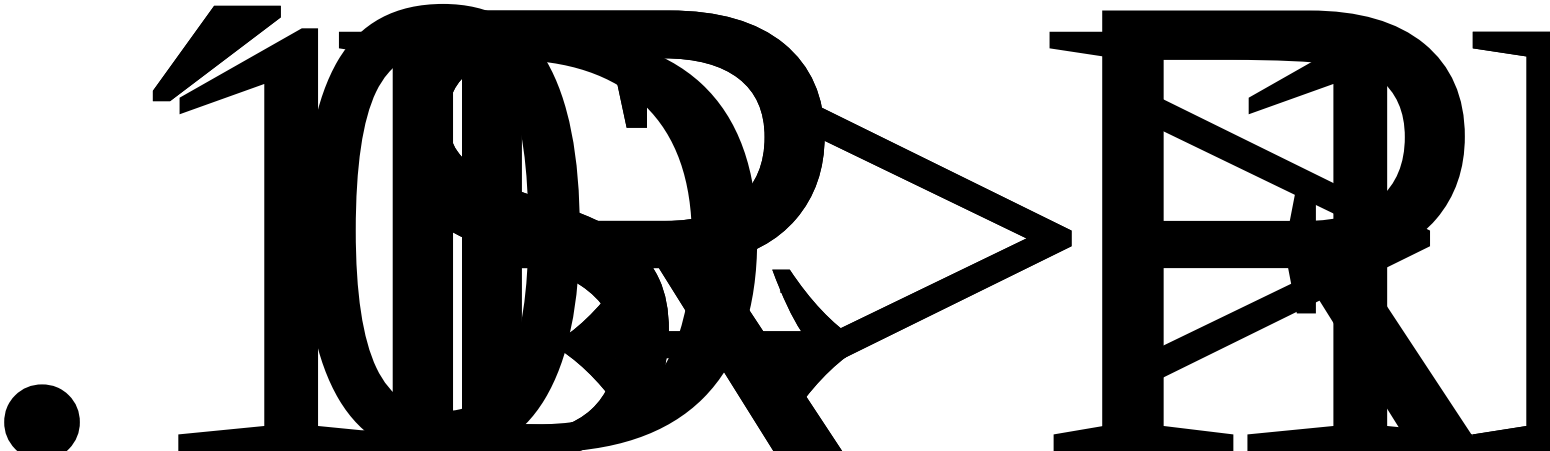
Top=-40 150

VI-VQ	-0.3	37	V
VI	-0.3	42	V
VQ		12	V

ESD

HBM





5

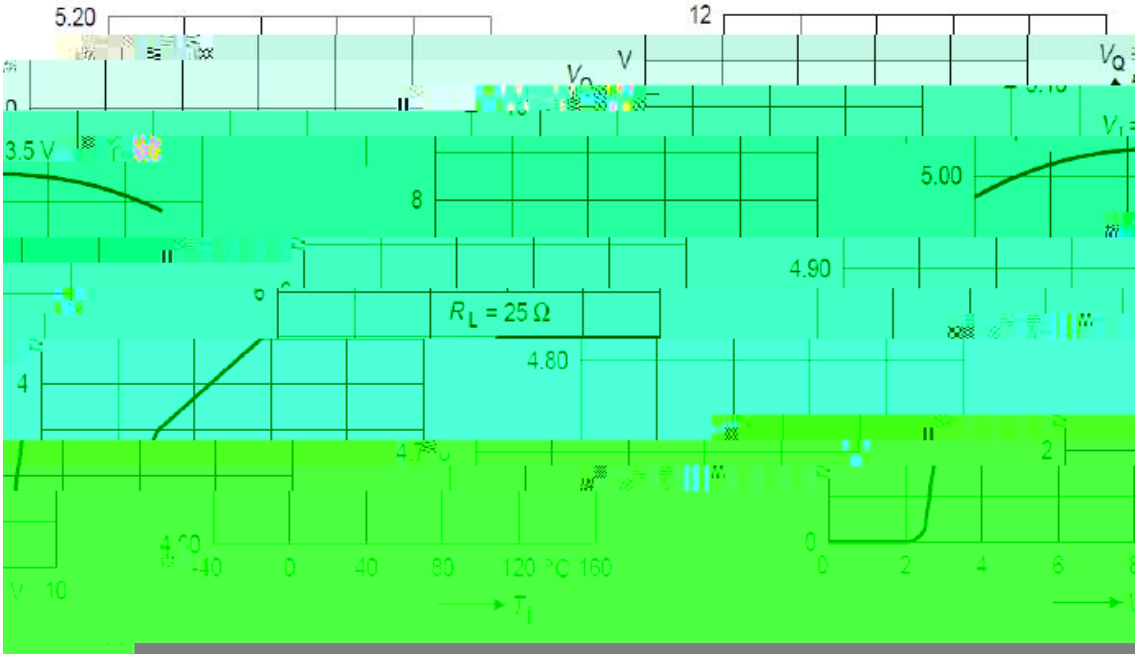
VI = 13.5V IQ=10mA -40 ≤Tj≤150

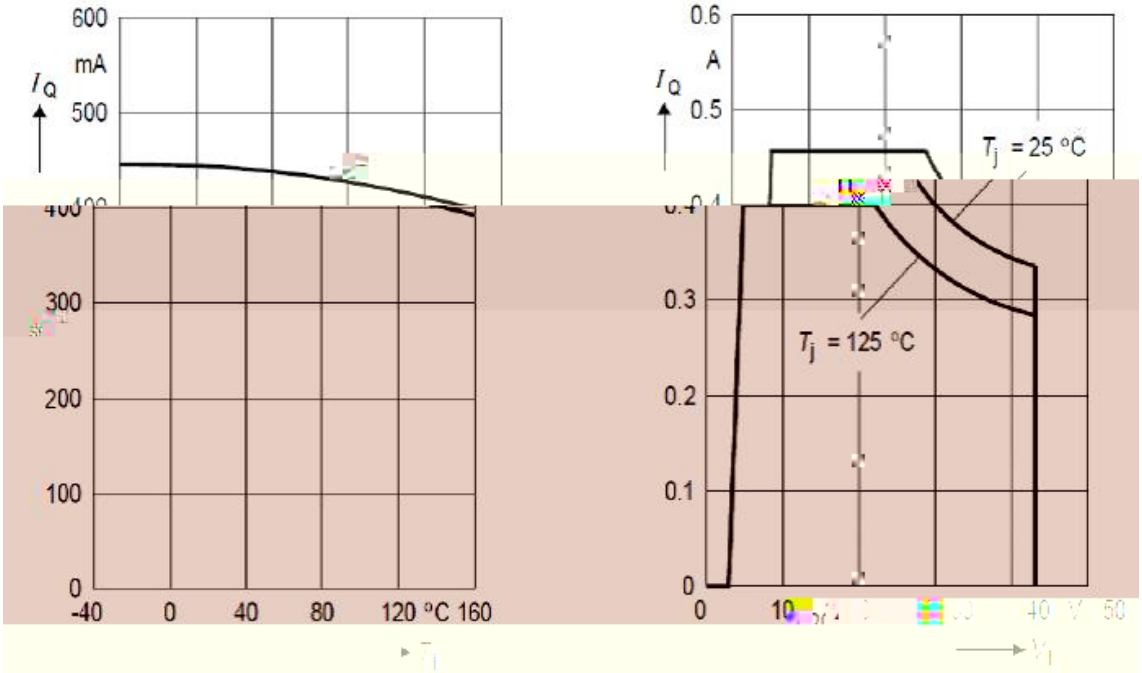
	4.9	5.00	5.1	V
VQ		5.0		V

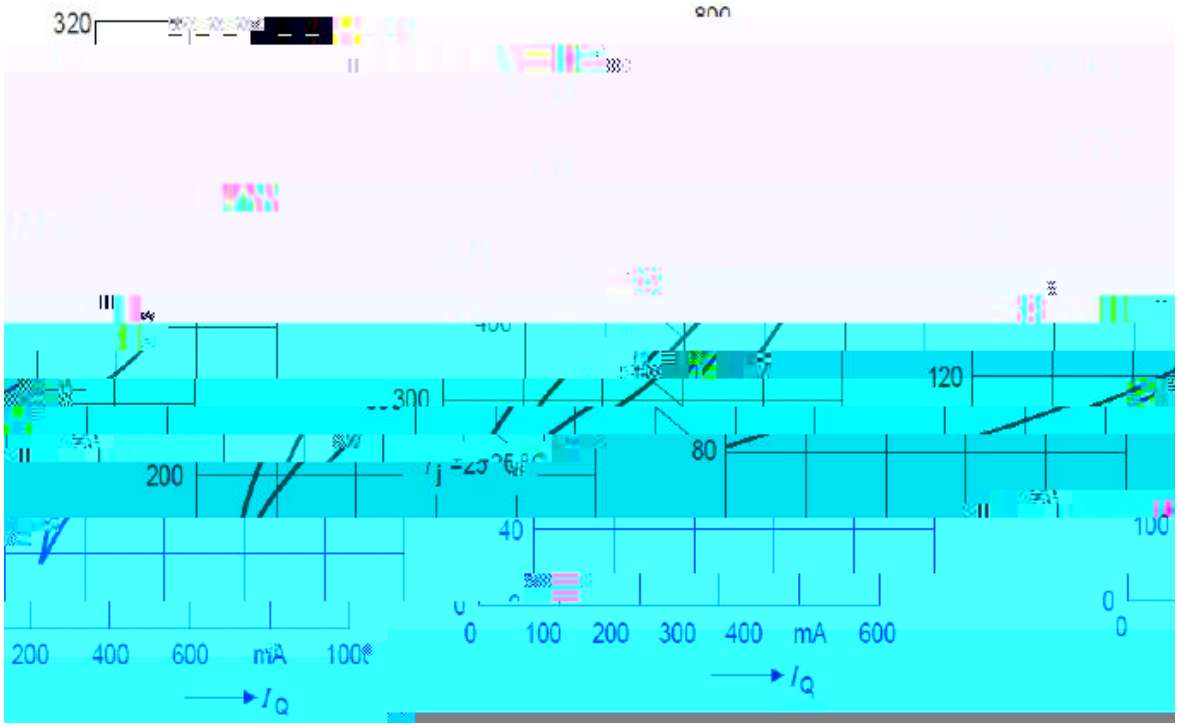
10≤IQ≤400mA

6.4V≤VI≤16V

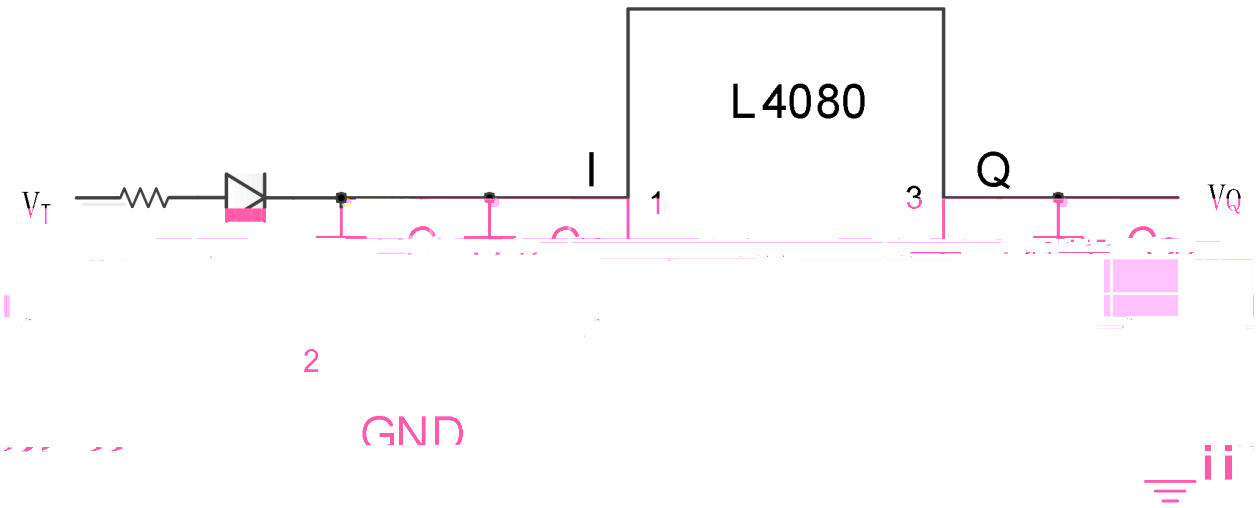
5.1


5.20
V
12
3.5 V
8
5.00
4.90
R_L = 25 Ω
4.80
4
2
-40
0
40
80
120 °C 160
T_j


600
mA
I_Q
500
300
200
100
0
-40
0
40
80
120 °C 160
T_j
0.6
A
0.5
0.3
0.2
0.1
T_j = 25 °C
T_j = 125 °C
10
40
50
V_I


320
300
200
120
80
40
0
0
100
200
300
400
mA
600
I_Q
200
400
600
mA
I_Q

6



6-1

6.1

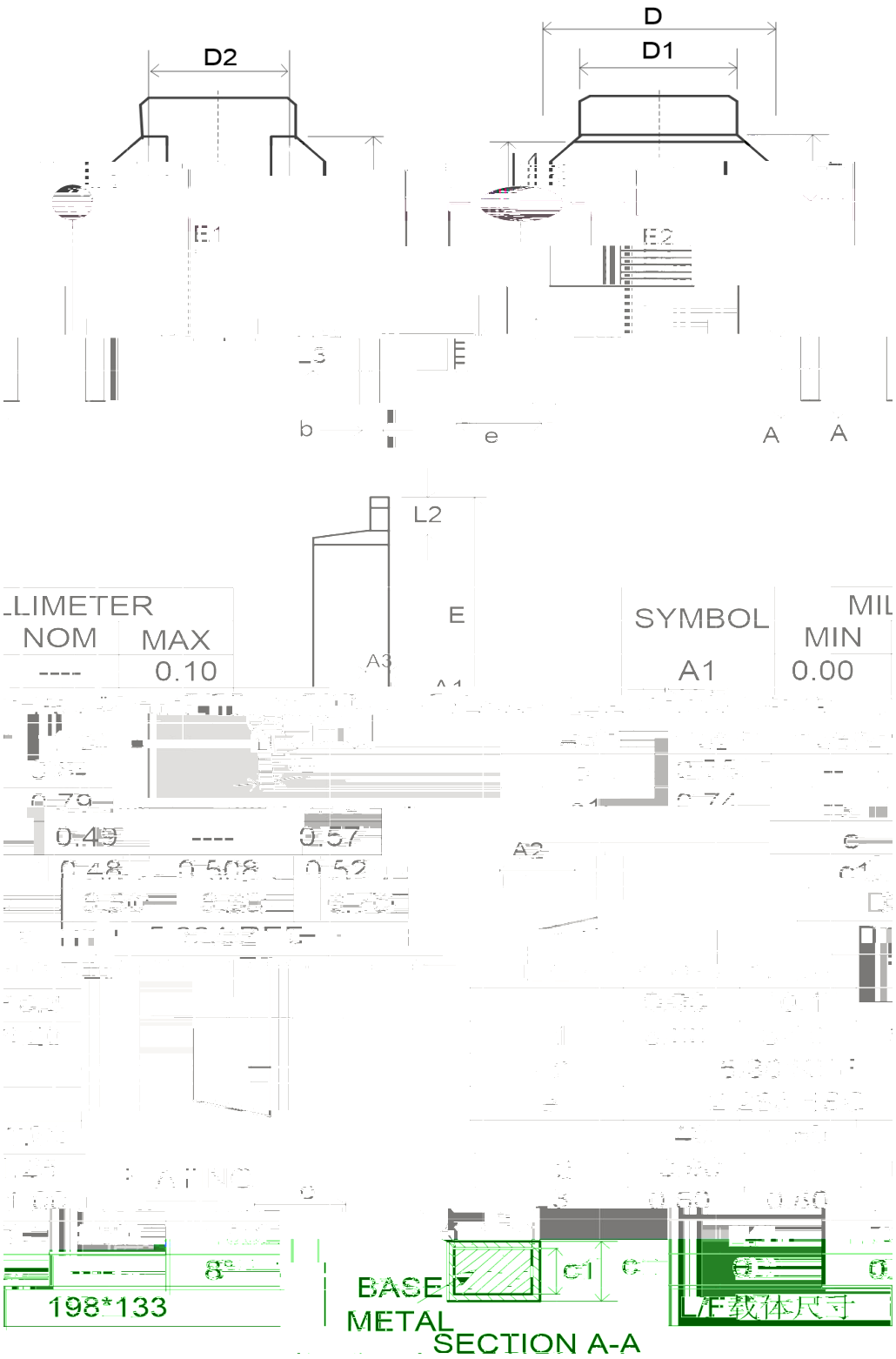
100nF~470nF

10~470uF

6.2

10uF

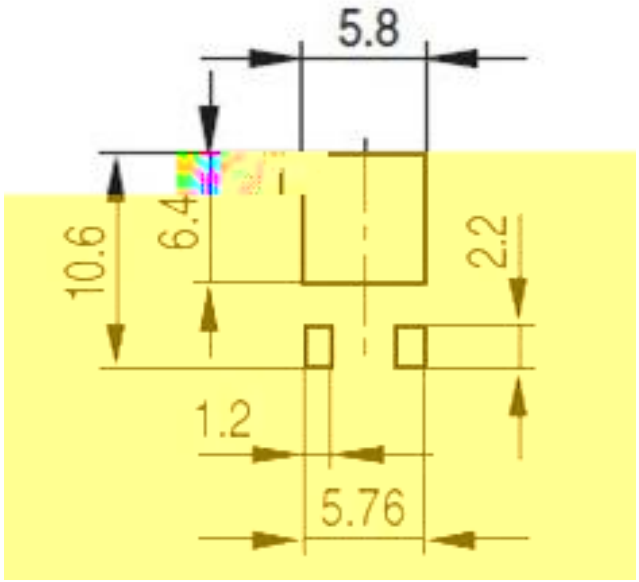
7


D
D1
D2
E1
E2
b
e
A
A
L2
E
A3
A1
A2
SYMBOL
MIN
A1
0.00
0.10
0.43
9.57
198*133
BASE
METAL
c1
SECTION A-A

7-1 TO252-3

RoHS

IPC/JEDRC J-STD-020



7-2 TO252-3

8

L4080	TO252-3	2500pcs/Tape&Reel