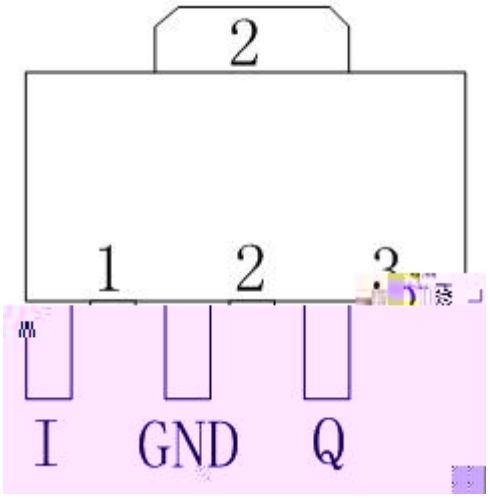
3

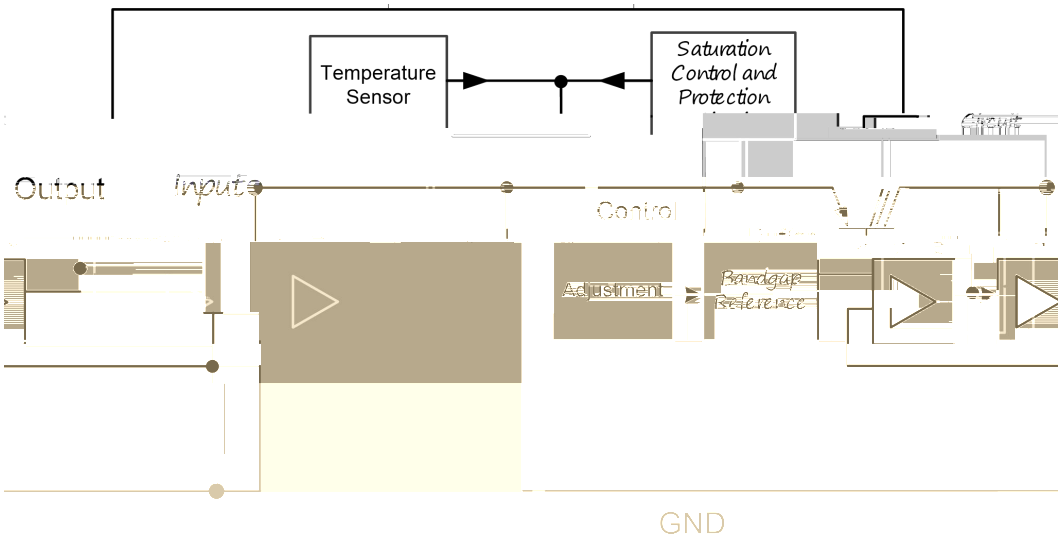


3-1 SOT-223-3( )

3.1

1	I	
2	GND	
3	Q	5V CQ≥1uF ESR≤4Ω

4


Temperature Sensor
Saturation Control and Protection
Outout
Inpute
Control
Adjustment
Bandgap Reference
GND

4-1

5

5.1

Tj = -40 150

	VI	-0.3	42	V	
	Tj	-40	150		
	Tstg	-40	150		
	Top	-40	125		
	Rthj-a		60	K/W	SOT-223-3
ESD	VESD-HBM[1)]	-2000	2000	V	
	VESD-CDM[2)]	-1000	1000	V	

1) ESD JESD22-A114

2) ESD JESD22-C101E

6



6-1

1) 5.5V<VI<42V 1%

5V

2) 6-1 MCP4215L50

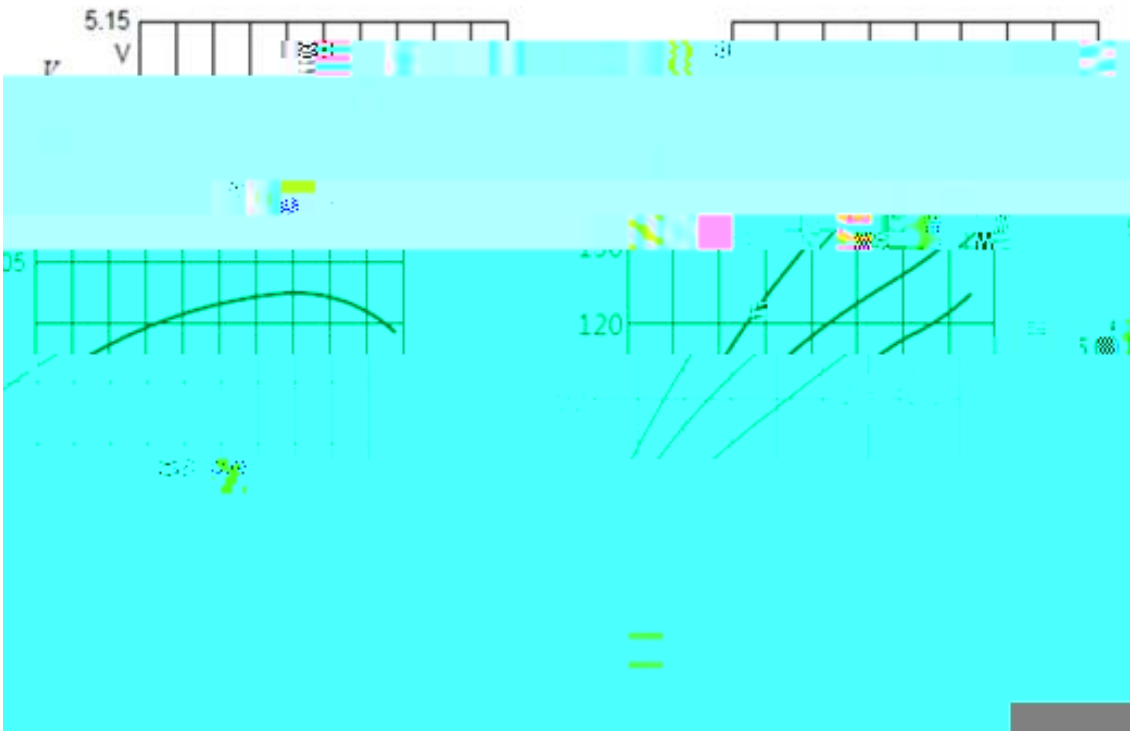
1uF ESR 4R

3) 100nF

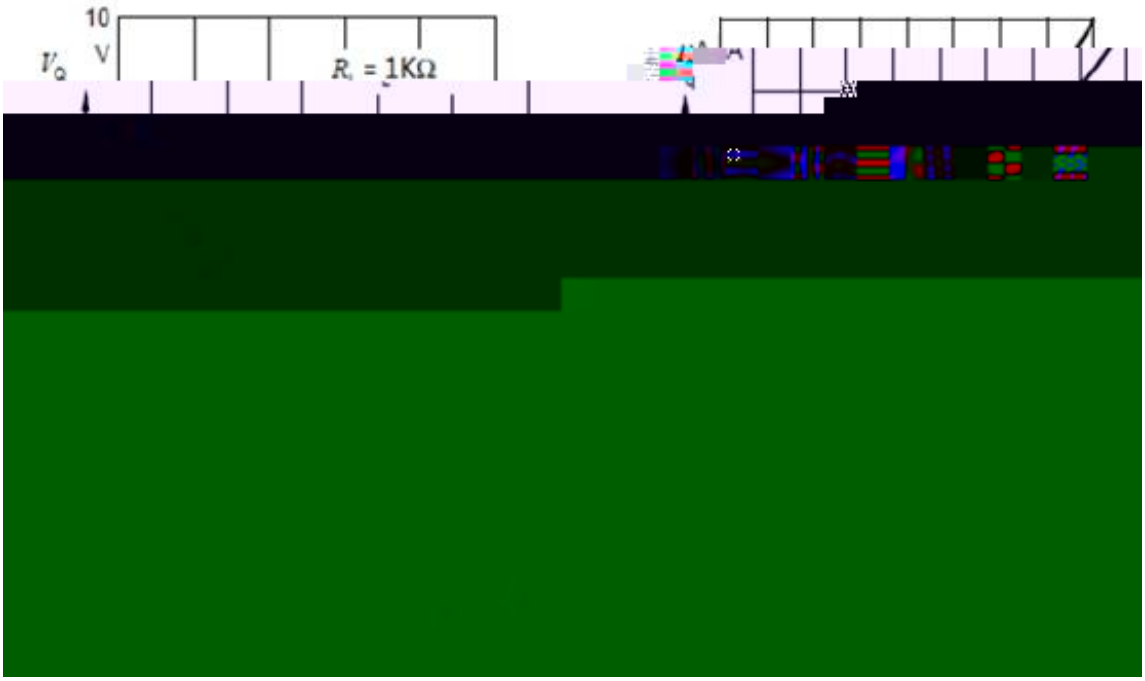
CI 1R

4) 6-1 470uF

7



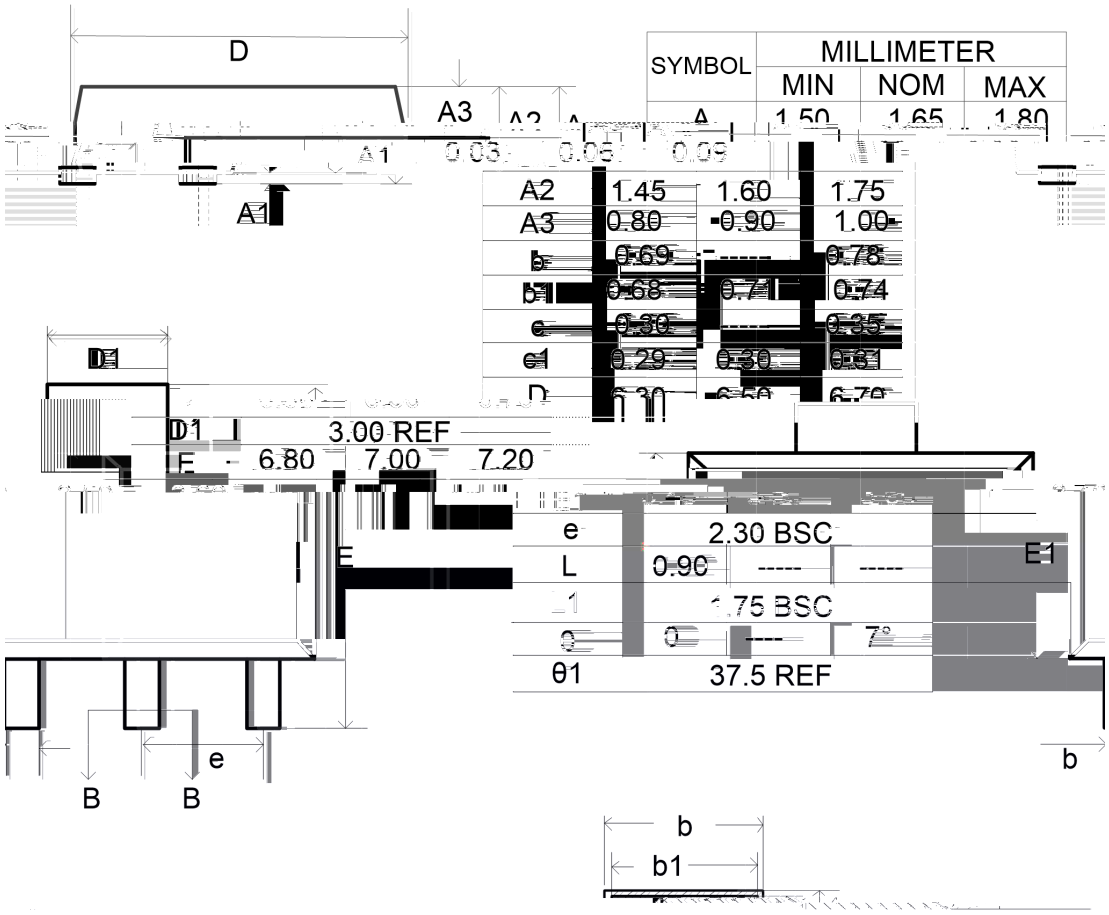
7-1 VS 7-2 VS



7-3 VS 7-4 VS

8

SOT-223-3L


D
A3
A1
A2
D1
E
E1
e
L
θ1
B
B
b
b1
SYMBOL
MILLIMETER
MIN
NOM
MAX
A2 1.45 1.60 1.75
A3 0.80 0.90 1.00
b 0.69 ----- 0.78
b1 0.68 0.71 0.74
c 0.30 ----- 0.35
c1 0.29 0.30 0.31
D 6.30 6.50 6.70
D1 3.00 REF
E 6.80 7.00 7.20
e 2.30 BSC
L 0.90 ----- -----
L1 1.75 BSC
θ 0° ---- 7°
θ1 37.5 REF

9
