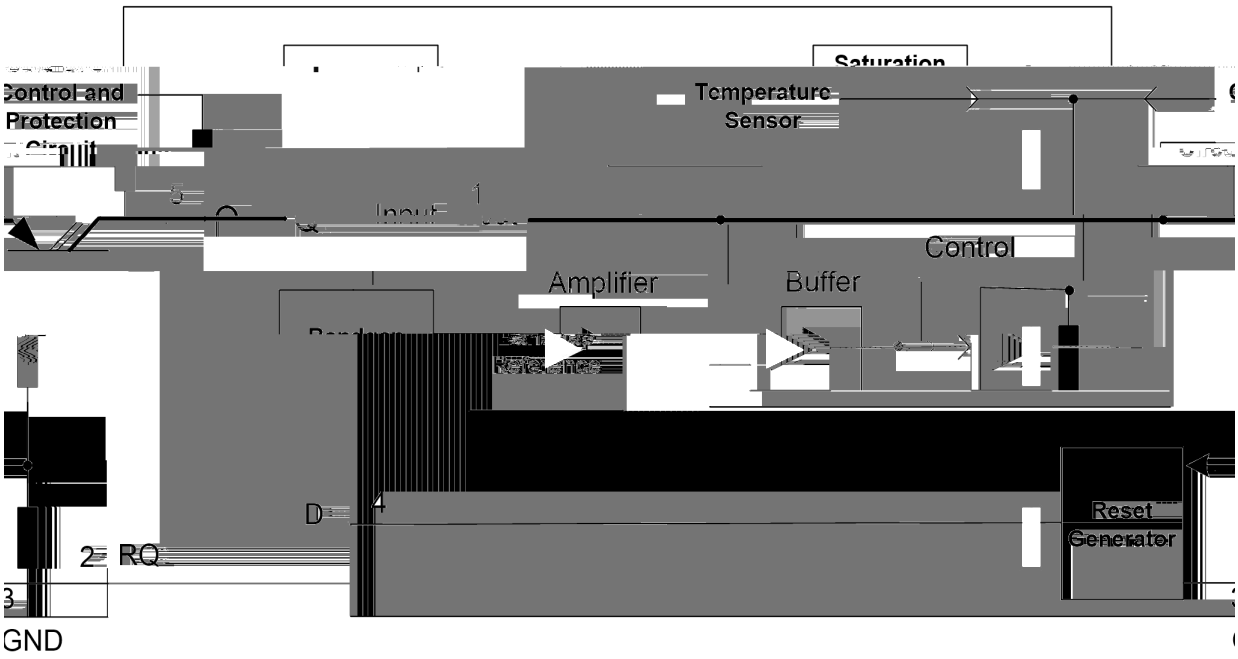
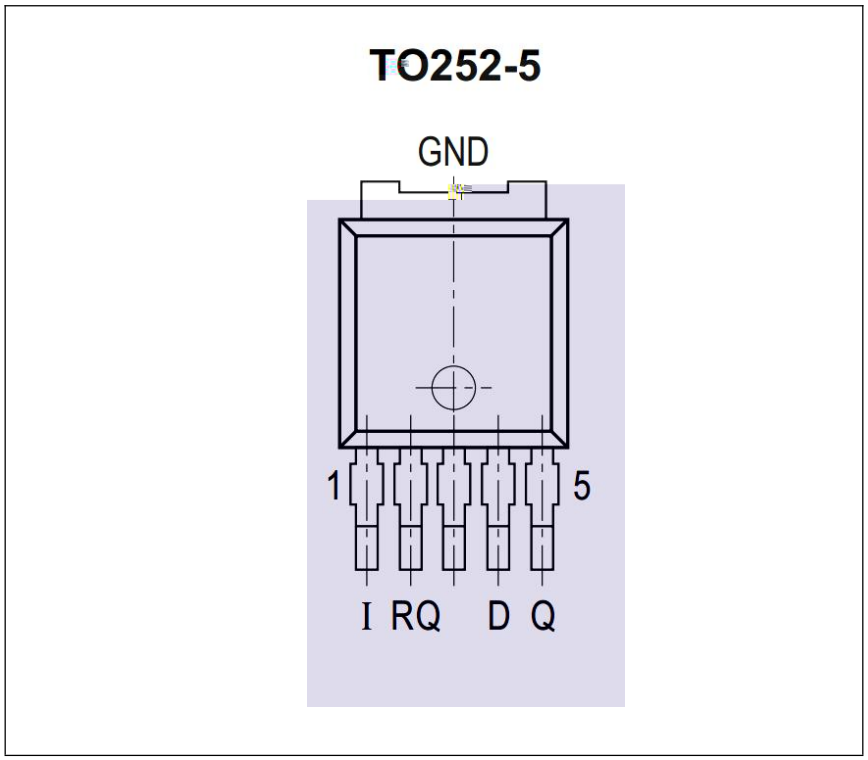
[redacted]

450mA


Temperature
Sensor
Control
Amplifier
Buffer
Reset
Generator
GND



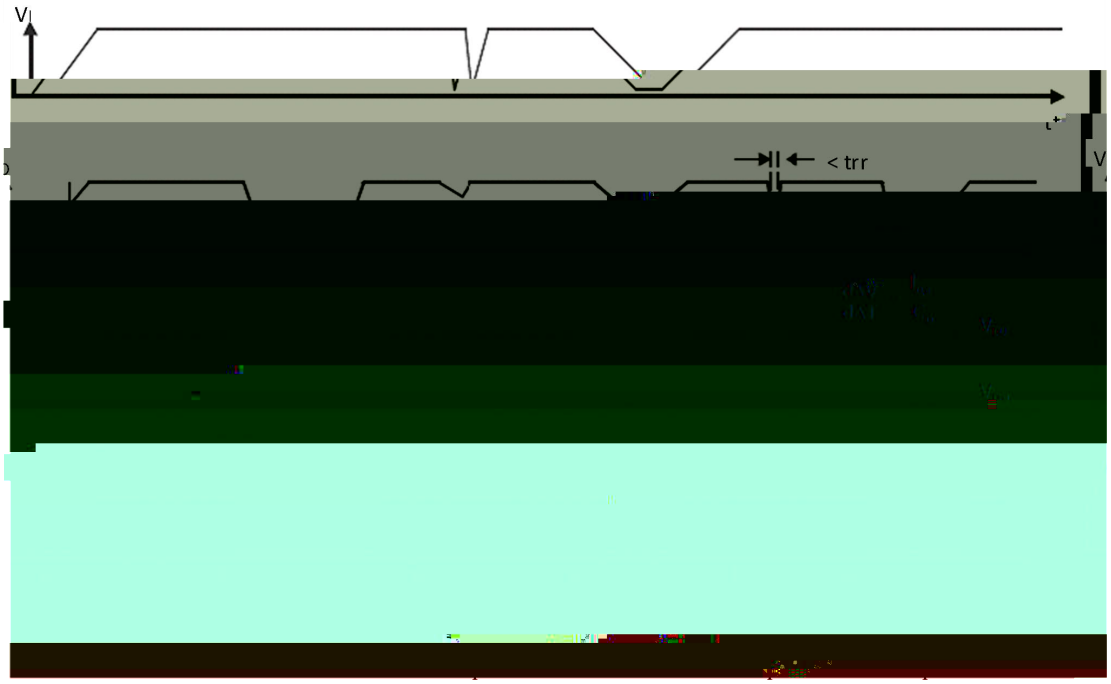
1	I	IC m
2	RQ	VRT RQ
3	GND	
4	D	
5	Q	10KHz C_Q≥22uF ESR<5Ω

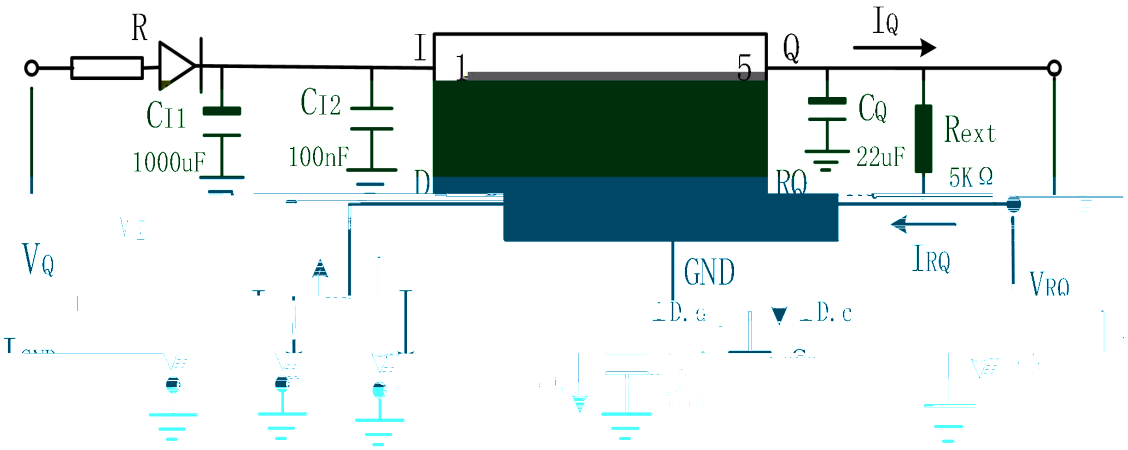
Tj=-40 150

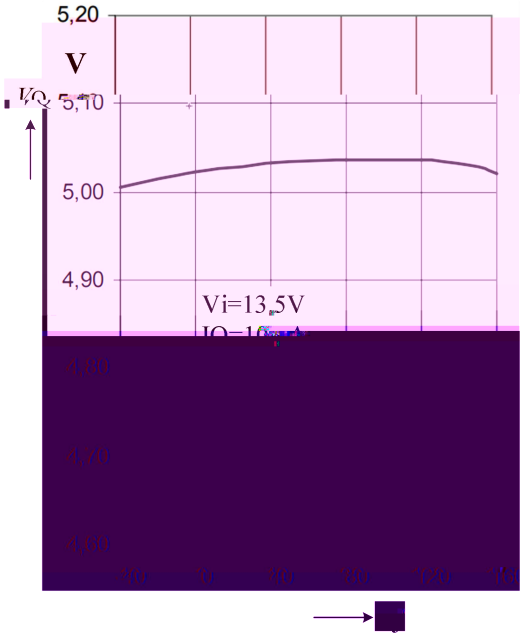
VI = 13.5V -40 ≤ Tj ≤ 150

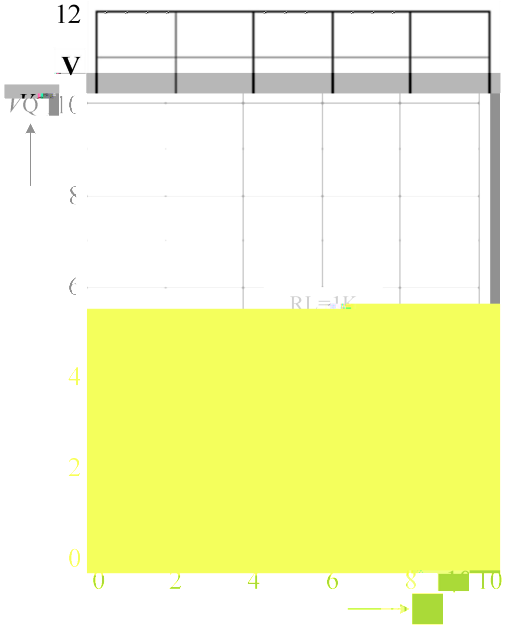
	VI	5.5	13.5	42	V	
	VQ	4.9	5.0	5.1	V	IQ<450m;VI<42V
	IQ	450	800		mA	VI=13.5V
	Iq1		80	100	uA	IQ = 5mA
	Iq2			0.5	mA	IQ = 400mA
	Vdr		0.3	0.5	V	IQ = 300mA
	ΔVQLo			150	mV	5mA<IQ<450mA
	ΔVQLi		2	10	mV	8V<VI<40V,I_Q=5mA
	PSRR		70		dB	100HZ@0.5Vpp
	C_Q		22		uF	ESR≤5Ω@10KHZ
	T_{SD}		150			
	T_{SDHYS}		25			

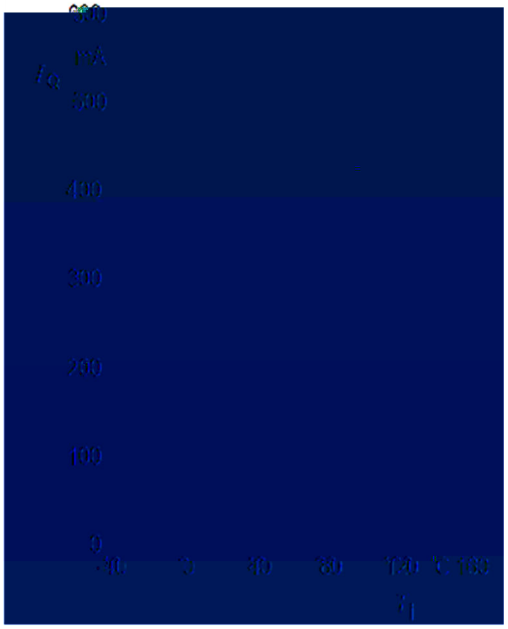
	V_{RT}	4.5	4.65	4.8	V	
	Vhys		0.2		V	
	t_{rr}			2	us	
	V_{RQL}			0.4	V	Rext≥5KΩ ;VQ<VRT
	I_{RQ}		0	1	uA	V_{RQ}=5V

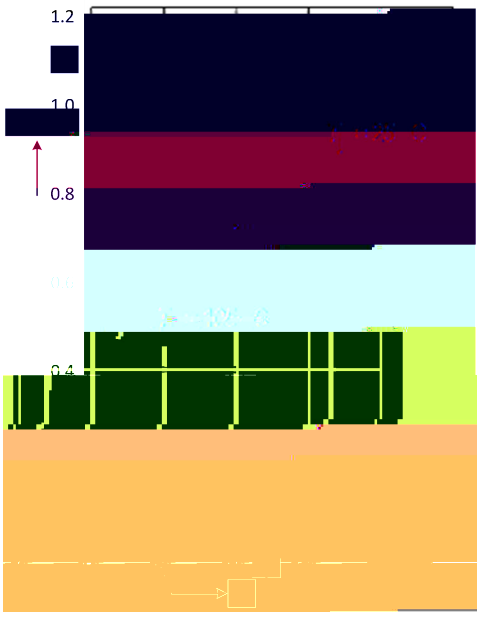

VI
< trr

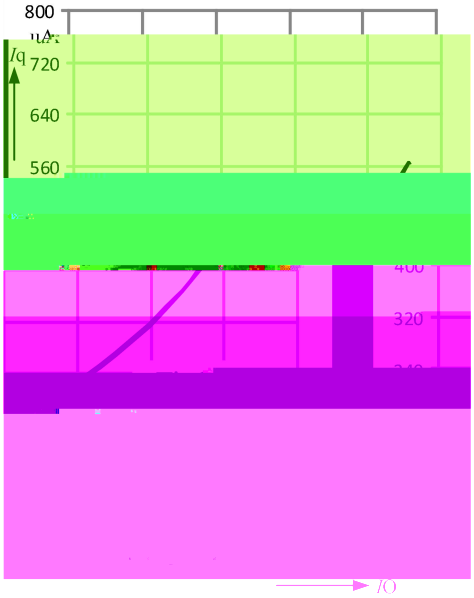

R
CI1
1000uF
CI2
100nF
I
1
5
Q
IQ
CQ
22uF
Rext
5K Ω
RQ
VQ
GND
IRQ
VRQ

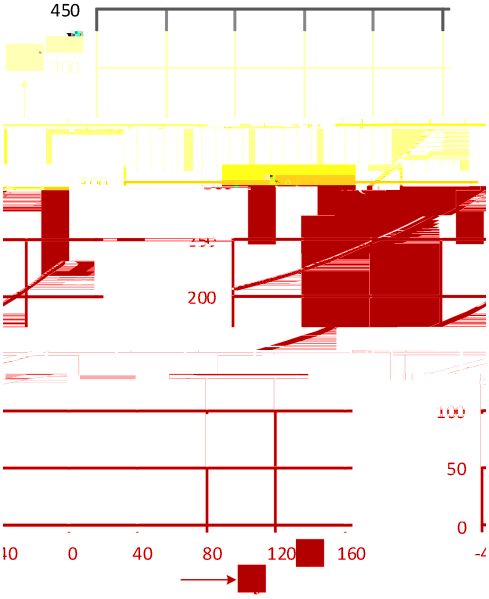

5,20
V
5,10
5,00
4,90
Vi=13.5V

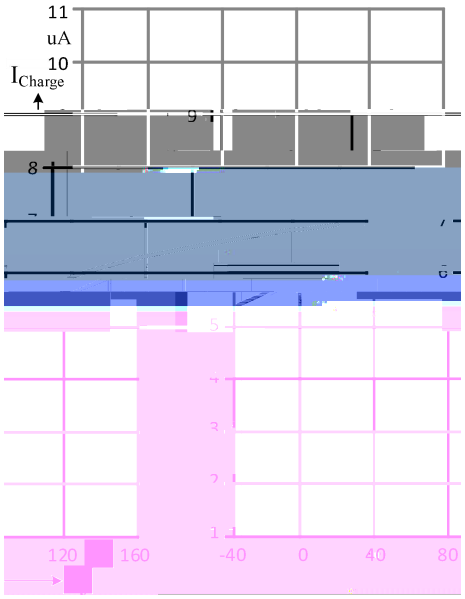

12
V
8
6
4
2
0
0
2
4
6
8
10

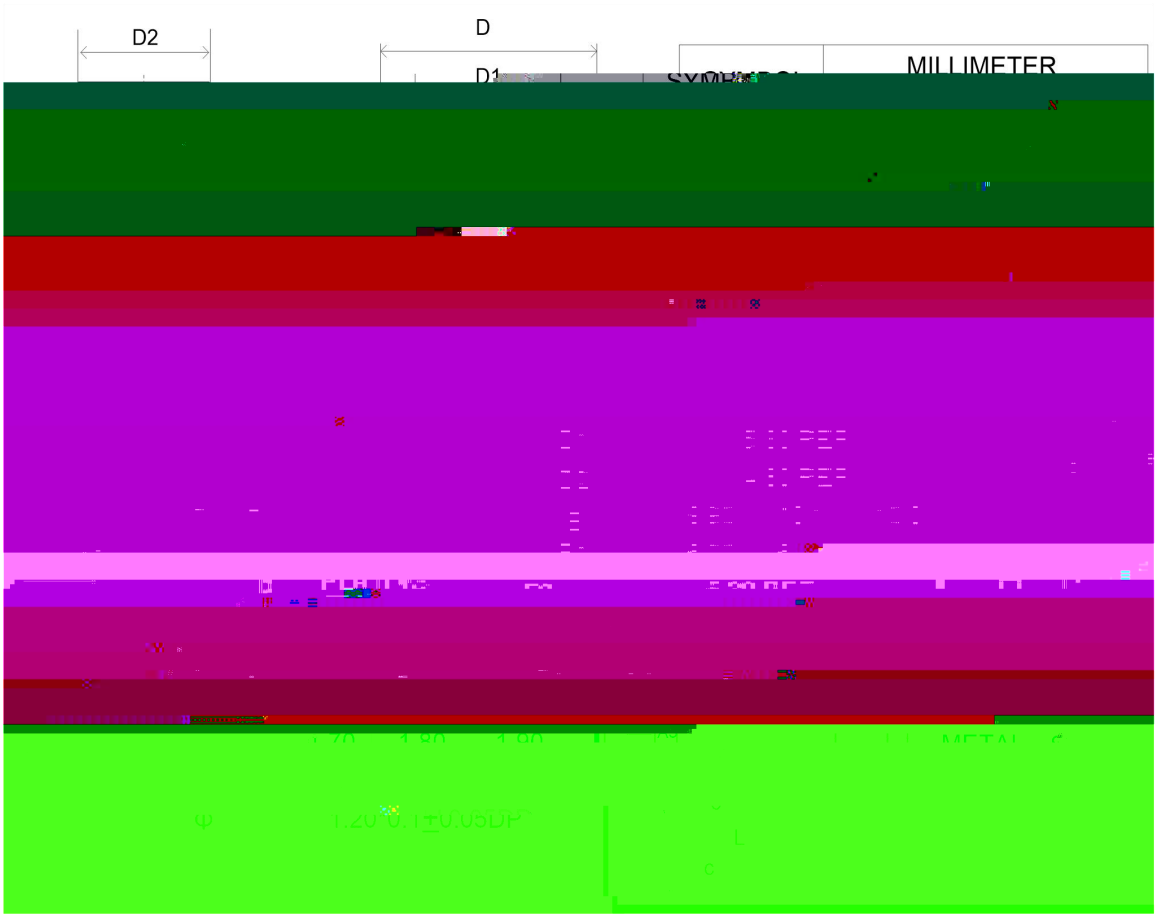

500
400
300
200
100
0


1.2
1.0
0.8
0.4


800
720
640
560
320


450
200
100
50
0
40
80
120
160


11
uA
10
ICharge
9
8
120
160
-40
0
40
80



9-1 TO252-5

MCP4275D	TO252-5	2500pcs/Tape&Reel