MCS4235L2/4235S——

1

MCS4235L2 SOP8

IC IC N MOS

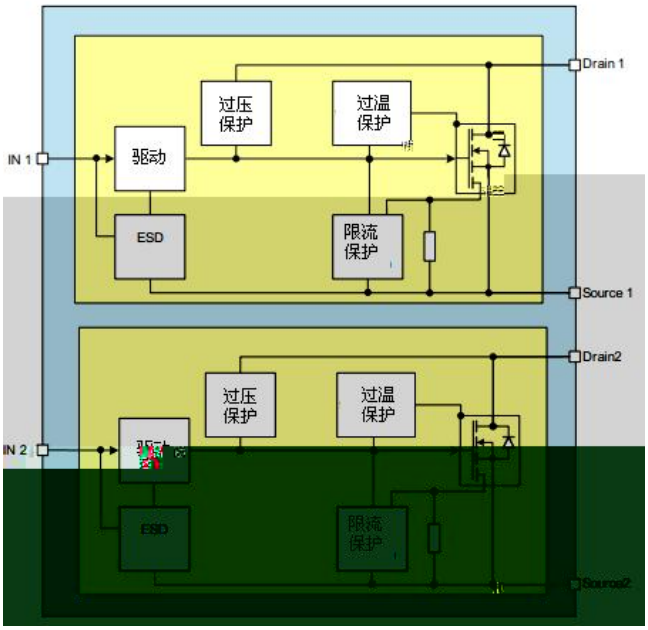
Â IC SOT23-3L MCS4235S

2

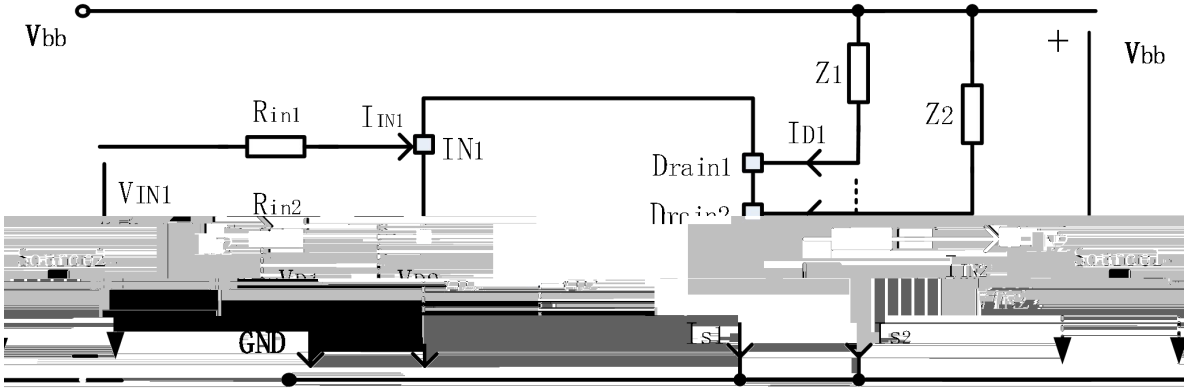
-
-
-
- (ESD)
-
- MOSFET
-
- PCB
- 2



3



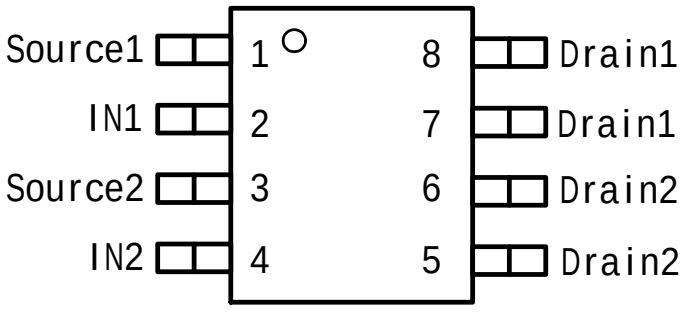
3-1



3-2

4

4.1 MCS4235L2



4-1 SOP8



5

Tj = -40 +150 (

)

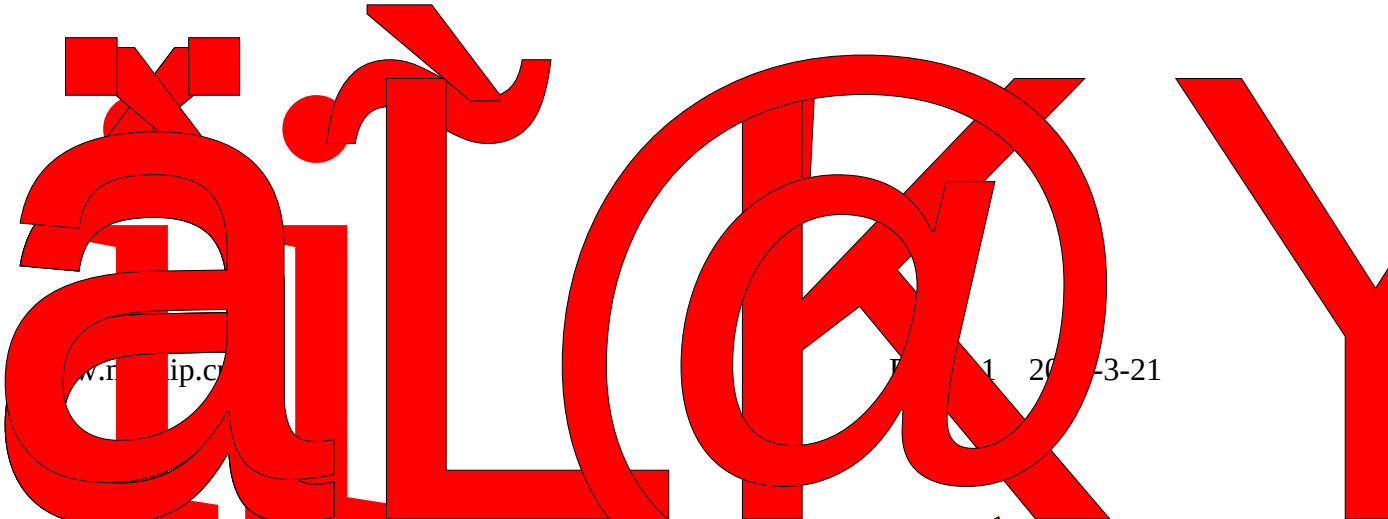
5.1 [1]:

No.1		VD		42	V	[2]V_{IN} =0V I_D=10mA
No.2		V_{IN}	-0.3	7	V	-
No.3		I_{IN}		300	uA	-0.2V<V_{IN}<6V
No.4		I_D		600	mA	[3]Tj=25
No.5		Ptot		0.78	W	Ta=85
No.6		Ta	-40	+125		
No.7		Tstg	-55	+150		
ESD						
No.8		V_{ESD}	-2	2	kV	[4]R = 1.5k; C = 100pF Tj = 25

м
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о
п 9{5 I . a 9!к%9{5 ннп! ммп .

pΦH

à



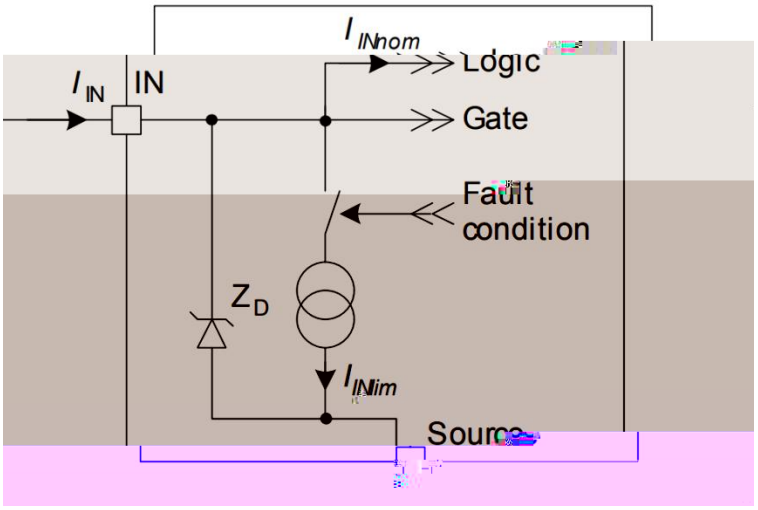
6

6. 1

6-1 MCS4235 ESD

IN MOSFET Gate

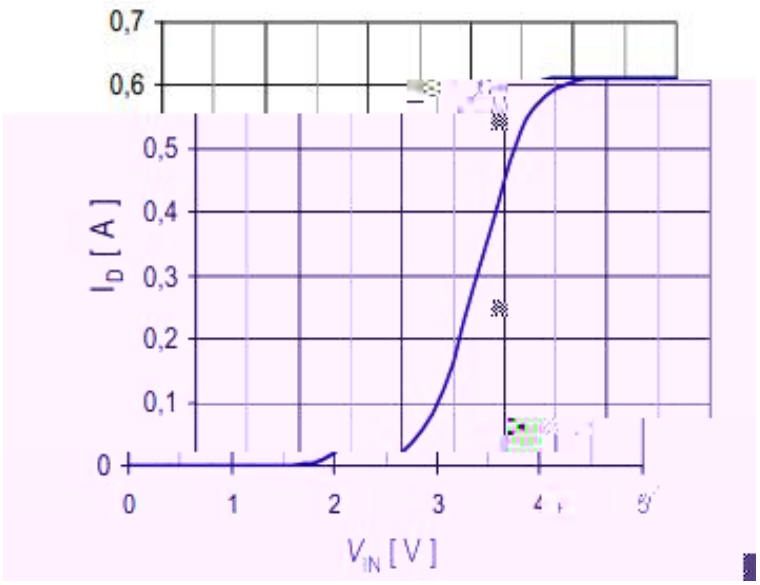
I_{INlim}



6-1

6. 2

6-2



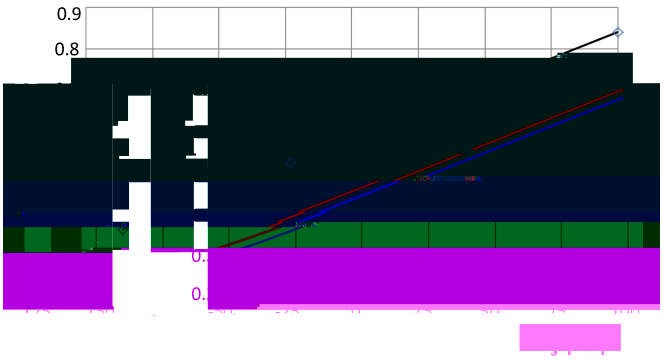
6-2 I_D f(VIN) N ſ è

6. 3

MCS4235 I_{INlim}

6. 4

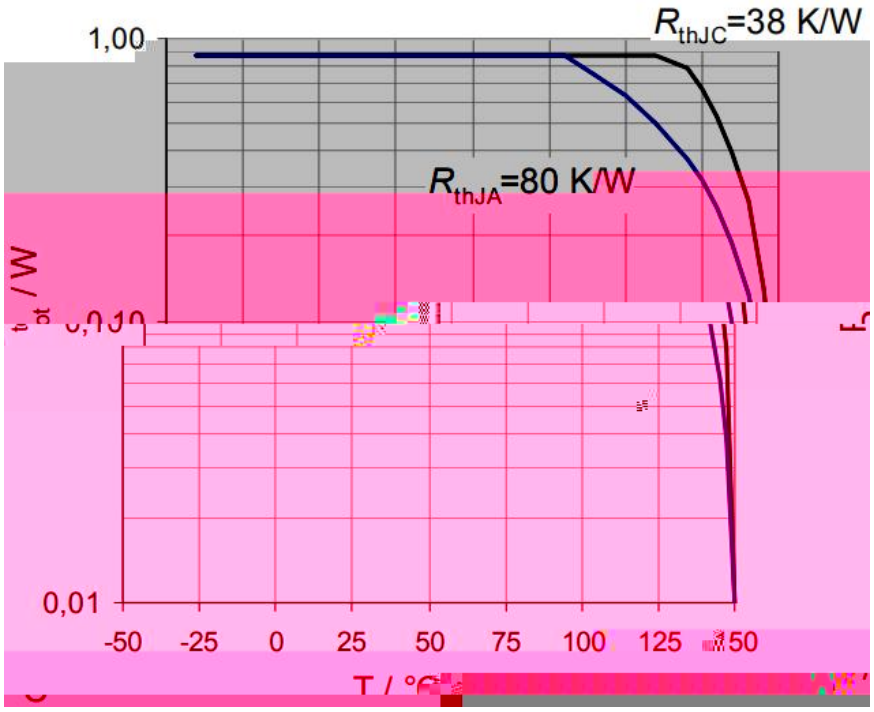
T_J 6-3 $R_{DS(on)}$



6-3 VS **6-4 VS**

6. 5

6-5 RthJA RthJC

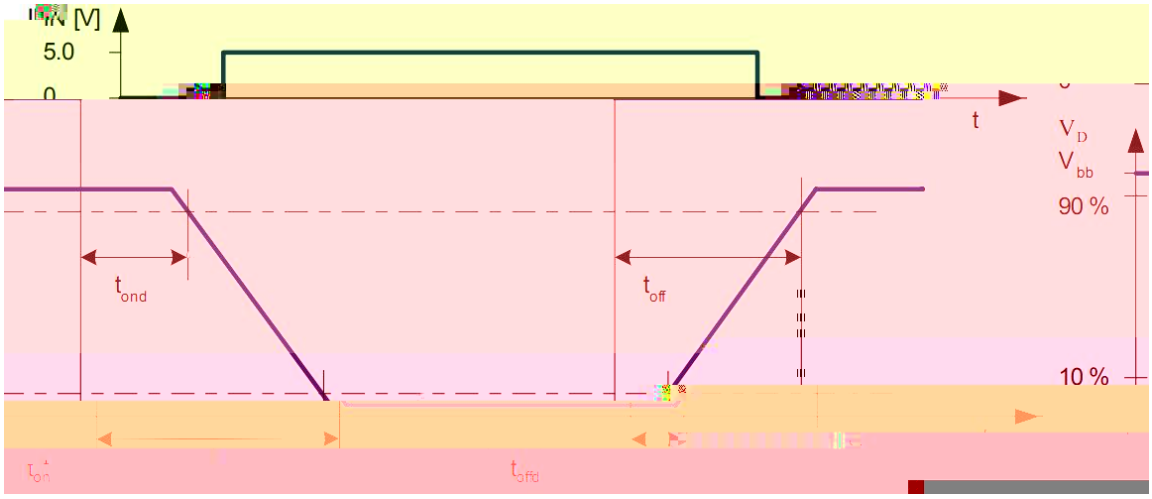


6-5

6. 6

MOSFET

EMC 6-6



6-6

6. 7

Source

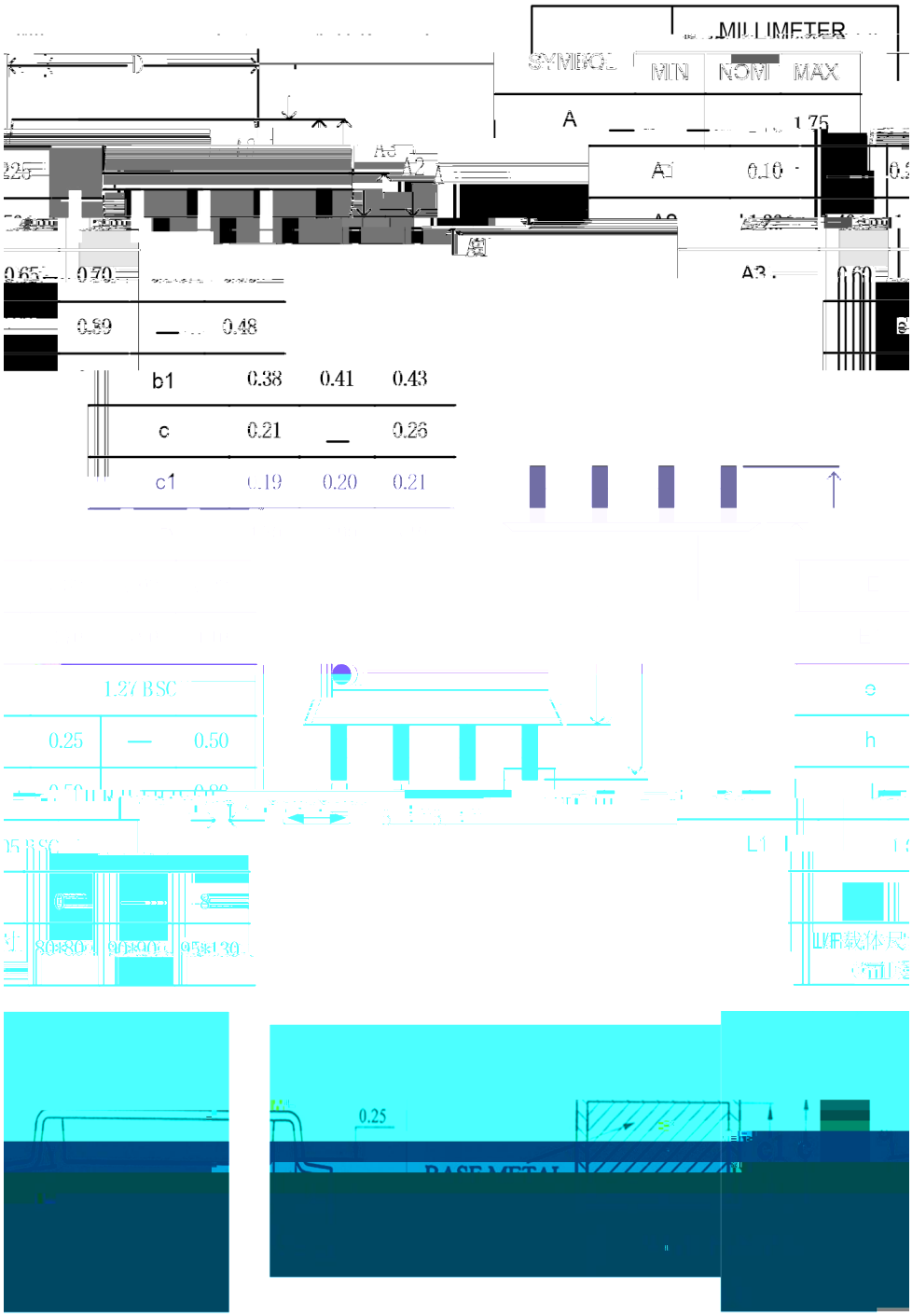
6-1 :

Tj= -40 +150 ( )

No.14	dVds/ dtoff	-	6.0	18.2	V/us	30%-50%Vbb RL=82Ω VIN=5V 0V Vbb=12V

No.15

8 MCS4235



8-1 MCS4235L2 SOP8



8-2 MCS4235S SOT23-3L

9

MCS4235L2	SOP8	MCS4235L2	4000pcs/Tape&Reel
MCS4235S	SOT23-3L	MCS4235S	3000pcs/Tape&Reel