

/ Descriptions

TO-252 N MOS

N-CHANNEL MOSFET in a TO-252 Plastic Package.

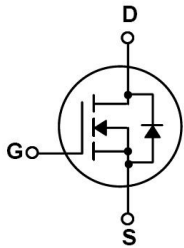
/ Features

Low gate charge, low crss, fast switching, HF Product. Have good Electromagnetic Interference performance, HF Product.

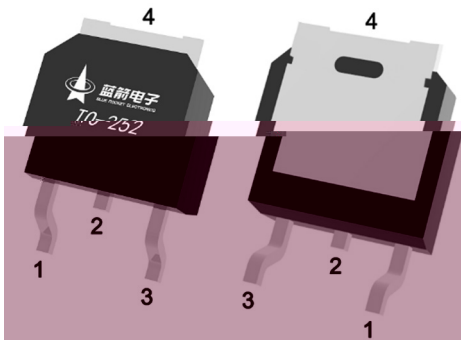
/ Applications

These devices are well suited for power switch circuit of adaptor and charger.

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 D

PIN 3 S

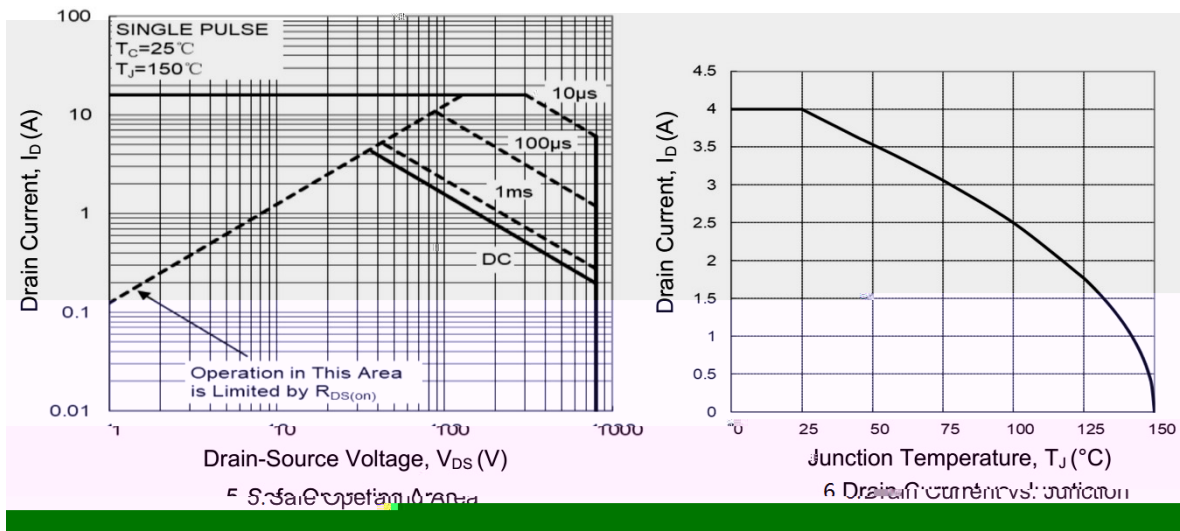
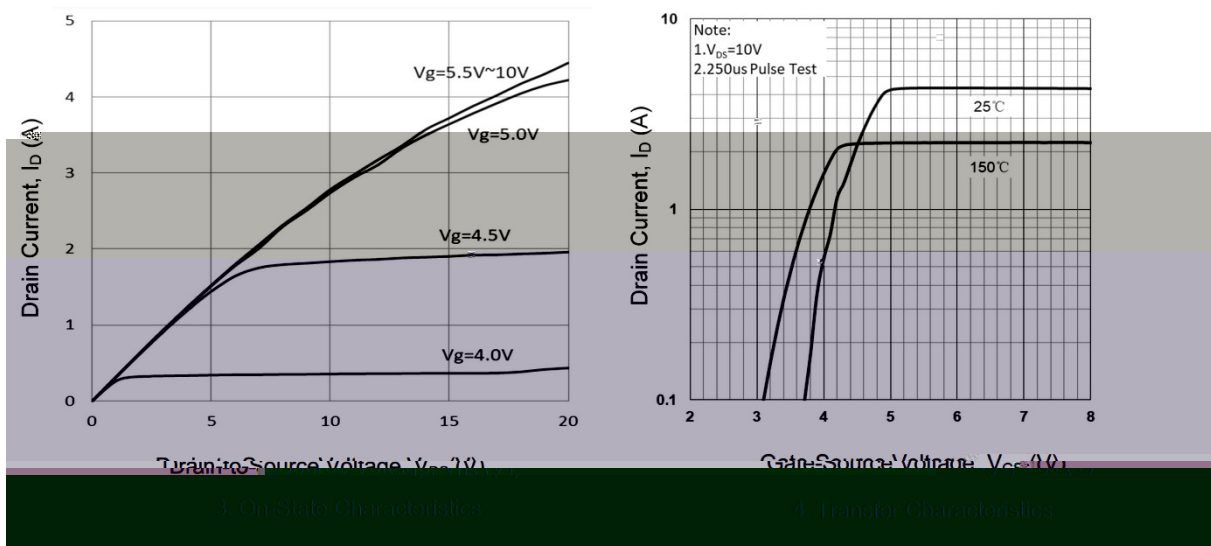
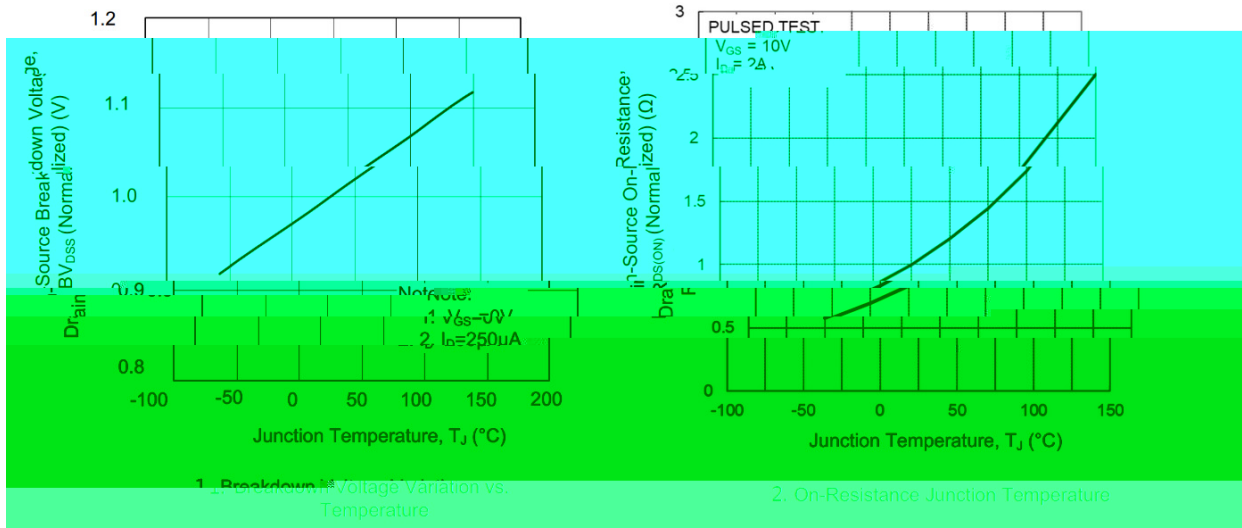
PIN 4 D

/ Marking

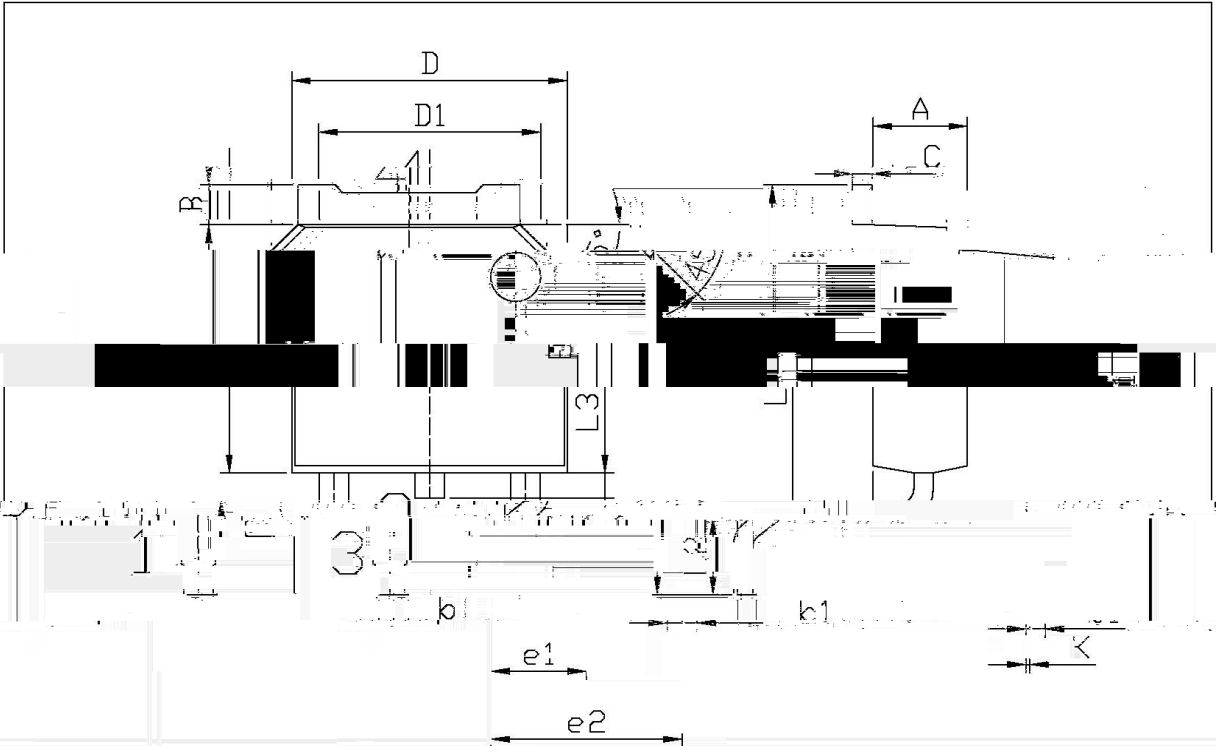
See Marking Instructions.

Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Turn-On Delay Time	td(on)	V _{DD} =400V V _{GS} =10V	I _D =4.0A R _G =10Ω		14		ns
Turn-On Rise Time	tr				12		
Turn-Off Delay Time	td(off)				24		
Turn-Off Fall Time	tf				18		
Maximum Continuous Drain-Source	I _S -1.14	urce37	TD.0007	T9-.003	Tw[Diod]5.7(e	Forwa)5.7(r	
Diode Forward Current							

/ Electrical Characteristic Curve



/ Package Dimensions



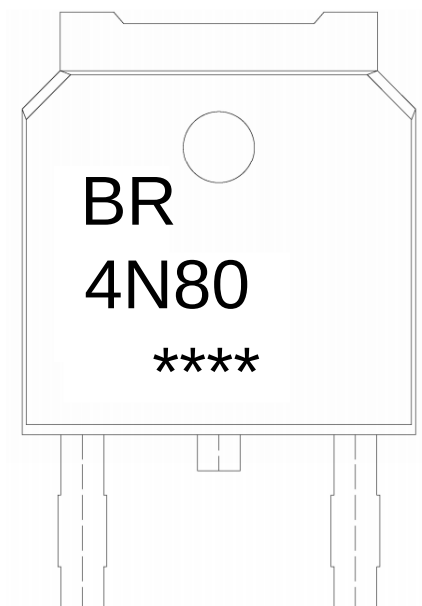
单位：mm

Dimensions In Millimeters				Dimensions In Millimeters			
Symbol		Min		Max		Symbol	
5.95		6.25		A		2.20	
2.24		2.34		B		0.95	
4.43		4.73		b		0.70	
0.85		10.35		b1		0.45	
0.45		0.55		L1		9.00	
L3		0.60		D		6.45	
K		0.00		D1		5.10	

□-252

T

/ Marking Instructions



BR

4N80

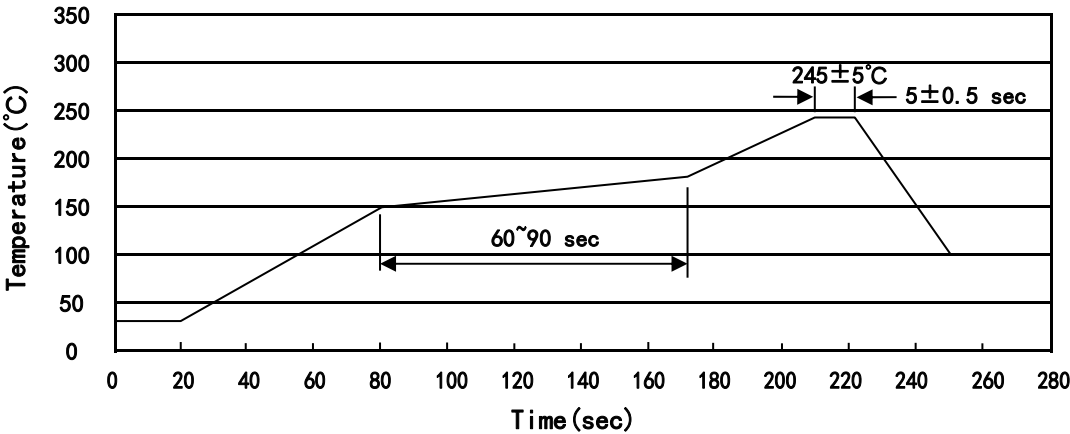
Note:

BR: Company Code

4N80: Product Type Code

*****: Lot No. Code, code change with Lot No

() /



Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-252	2,500	2	5,000	6	30,000	13" ×16	360×360×50	380×335×366

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180

/ Notices