

/ Descriptions

TO-252 N MOS

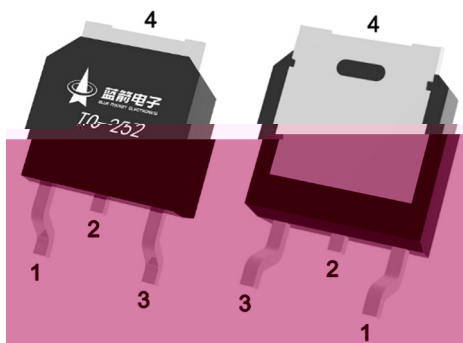
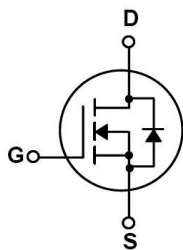
N-CHANNEL MOSFET in a TO-252 Plastic Package.

/ 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.



PIN1 G

PIN 2 D

PIN 3 S

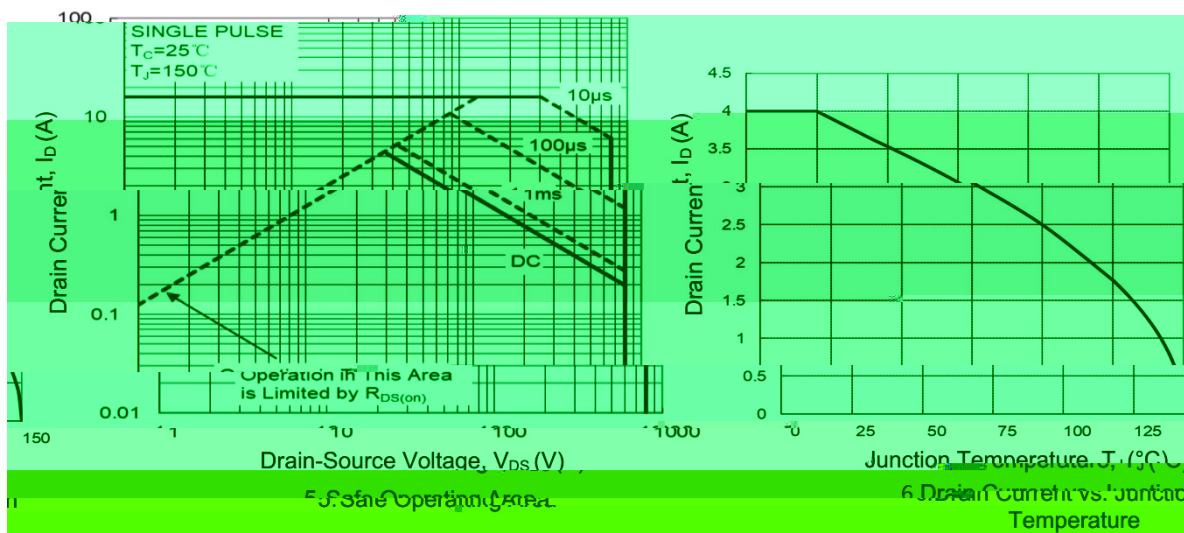
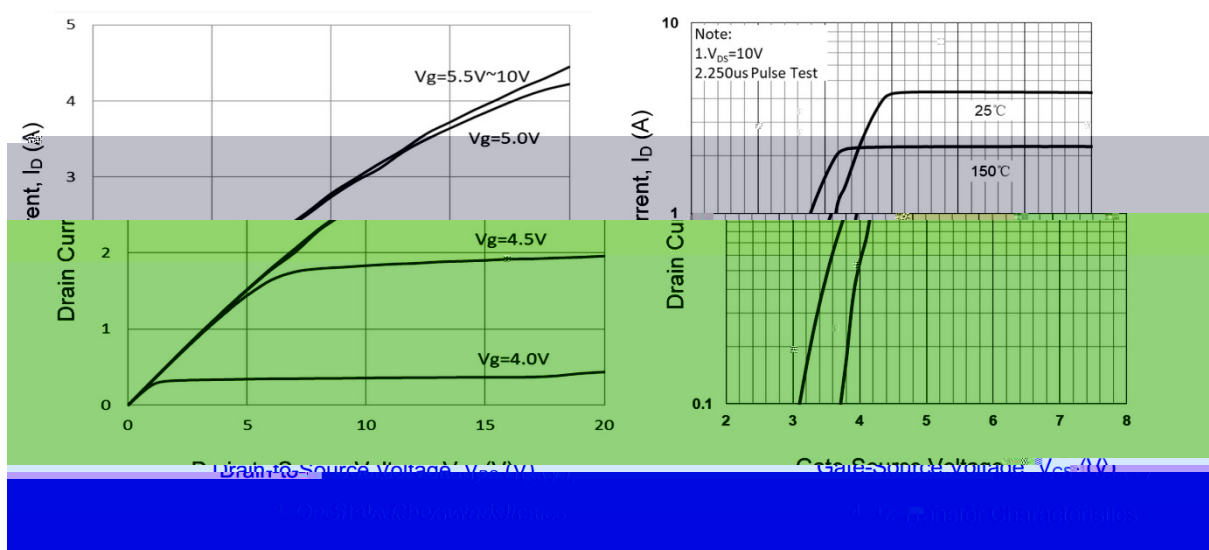
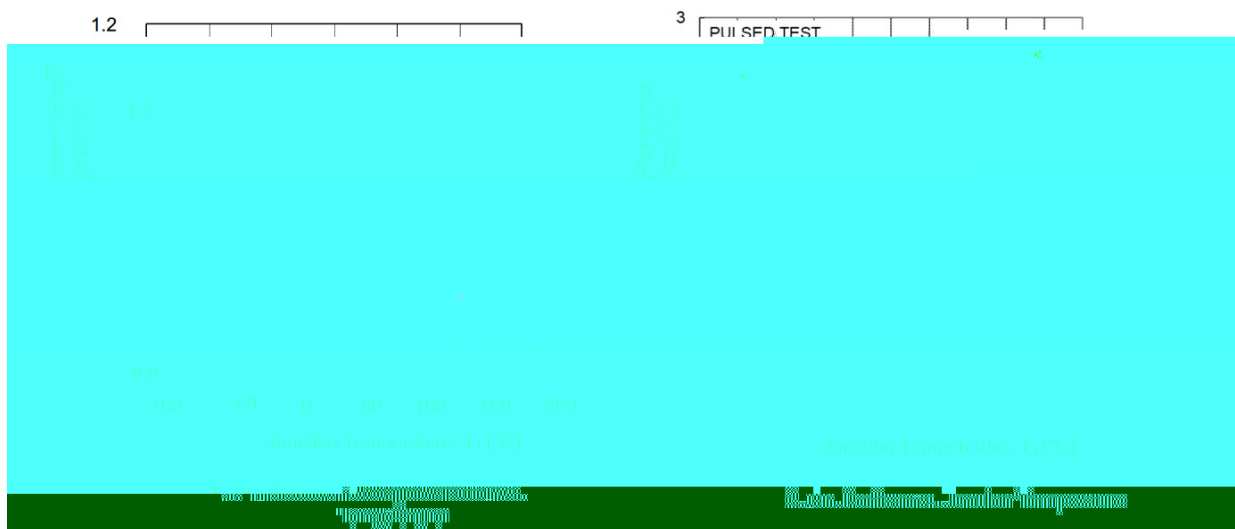
PIN 4 D

/ Marking

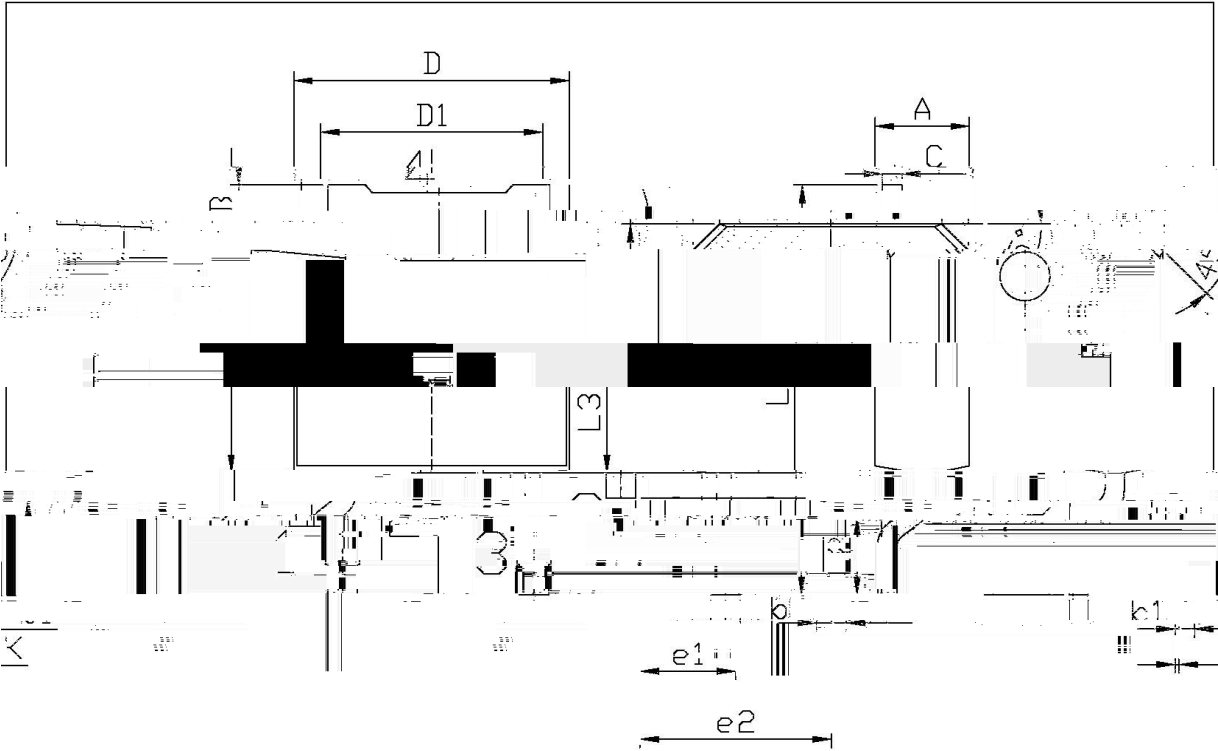
See Marking Instructions.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	td(on)	V _{DD} =400V I _D =4.0A V _{GS} =10V 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 Diode Forward Current	I _S					

/ Electrical Characteristic Curve



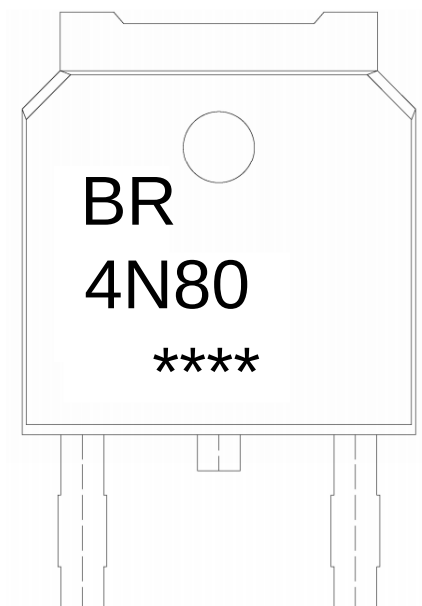
/ Package Dimensions



单位: mm

Symbol	Dimensions In Millimeters	Symbol	Dimensions In Millimeters
	5.95		A
	2.24		B
	0.55		b1
	D1		L3
	0.10		K
	D		e1
	D		e2
	0.10		K
T0=252			

/ Marking Instructions



BR

4N80

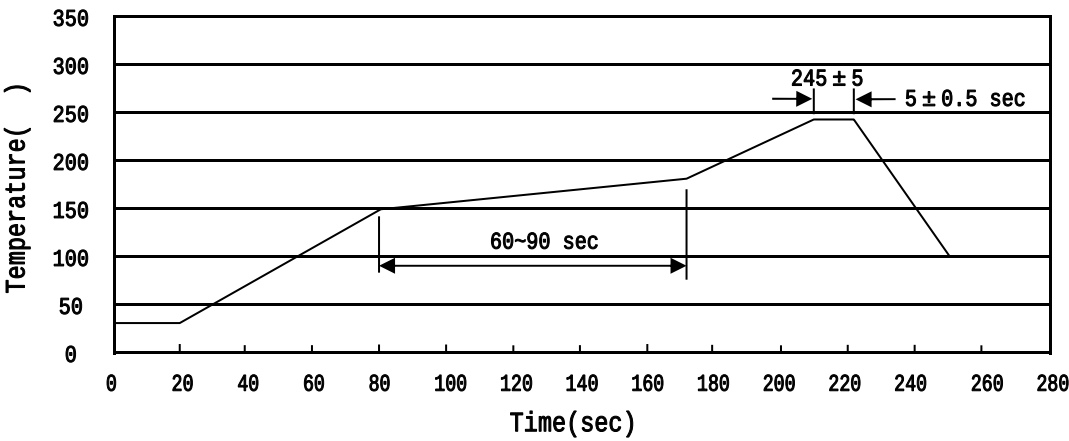
Note:

BR: Company Code

4N80: Product Type Code

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

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|--|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 °C , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 °C , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 °C/sec. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
TO-252	2,500	2	5,000	6	30,000	13 ×16	360×360×50	380×335×366

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180

/ Notices