

/ Descriptions

TO-251 N MOS N-CHANNEL MOSFET in a TO-251 Plastic Package.

/ Features

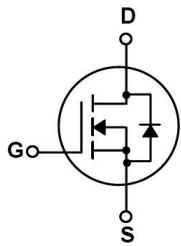
Low gate charge, low crss, fast switching.

/ Applications

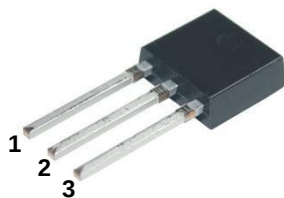
DC/DC

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

/ Equivalent Circuit



/ Pinning

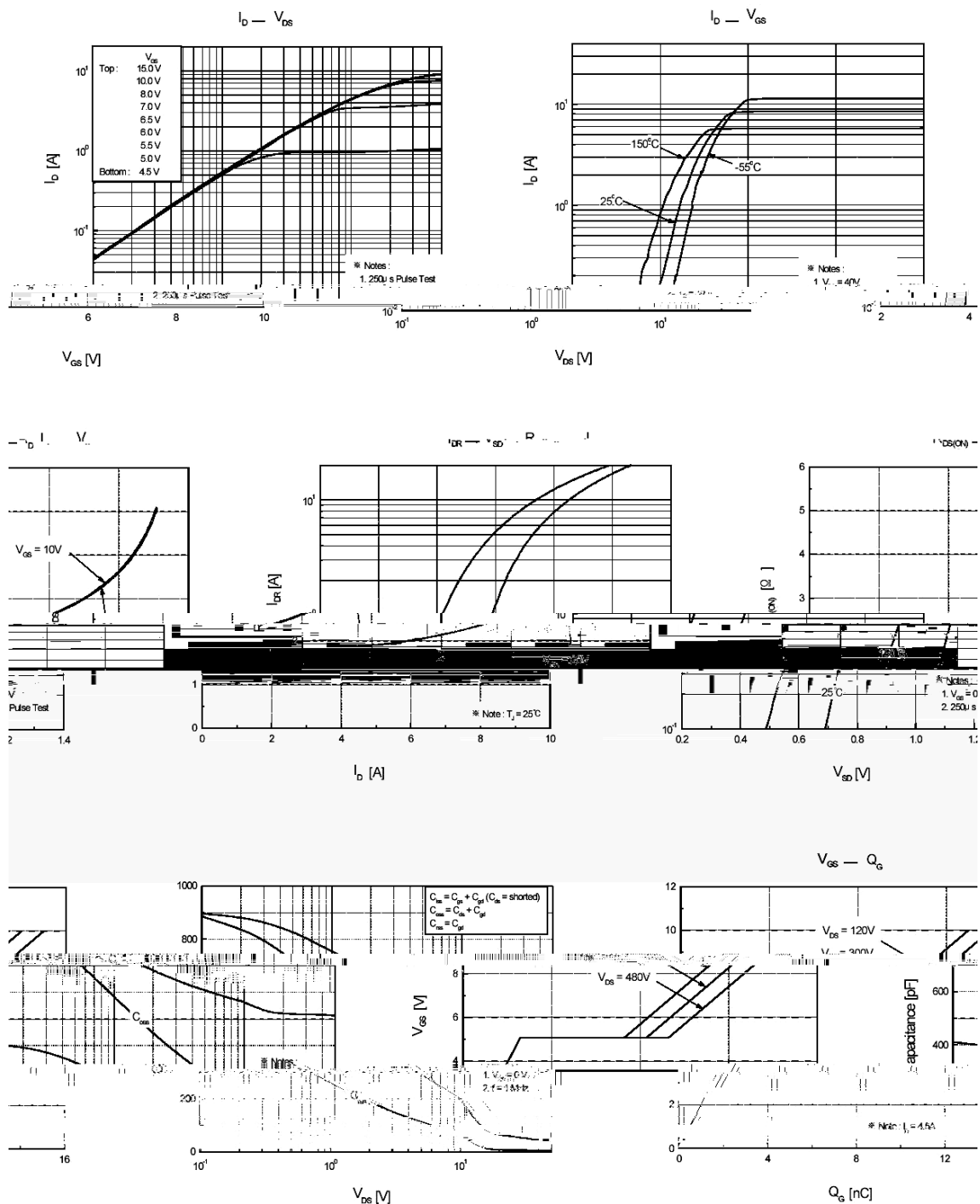


PIN1 G PIN 2 D PIN 3 S

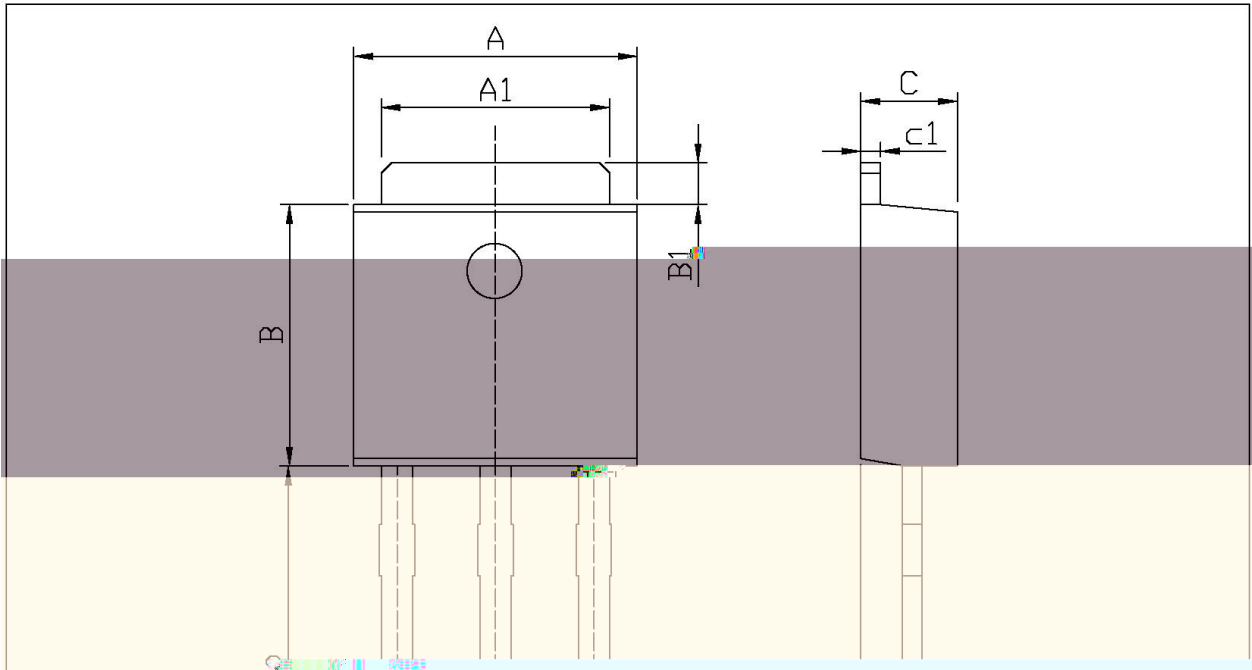
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve



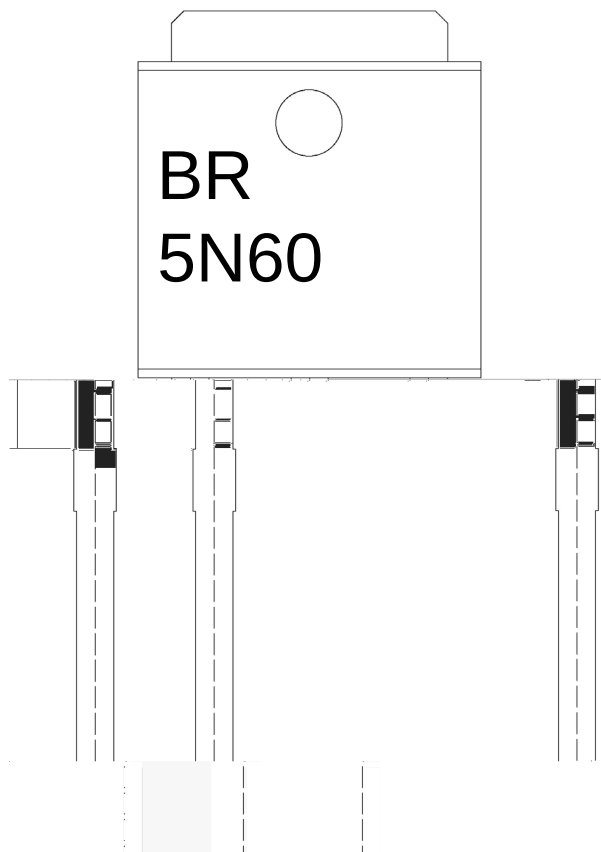
/ Package Dimensions



DIMENSIONS IN MILLIMETERS							
Max	Symbol	Min	Max			Symbol	Min
6.75	a	0.50	0.70			A	6.45
5.50	b	9.00	9.40			A1	5.10
1.25	c1	0.45	0.55			B1	0.95
2.40	e	2.24	2.34			C	2.20
1.15	e1	4.43	4.73			C1	0.95

T0-251

/ Marking Instructions



BR

5N60

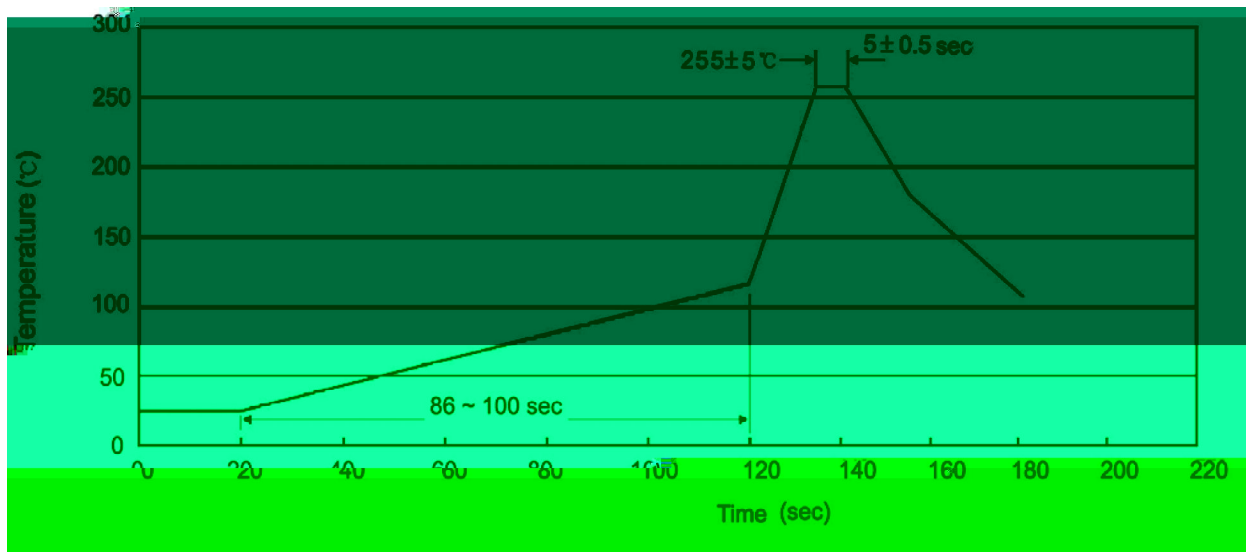
Note:

BR: Company Code

5N60: Product Type.

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

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|--|---|
| 1 | 25 | 150 | 60 | 90sec; | 1. Preheating: 25~150 , Time: 60~90sec. |
| 2 | 255±5 | | 5±0.5sec; | 2. Peak Temp.: 255±5 , Duration: 5±0.5sec. | |
| 3 | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. | |

/ Resistance to Soldering Heat Test Conditions

270±5 10±1 sec. Temp.: 270±5 Time: 10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm ³)		

/ TUBE

Package Type	Units					Dimension (unit mm ³)		

/ Notices