

/ Descriptions

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

/ Features

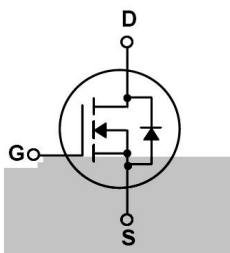
Low gate charge, low crss, fast switching.

/ Applications

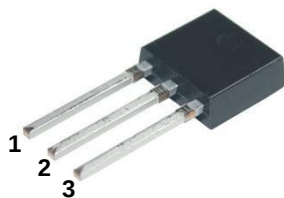
DC/DC

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

/ Equivalent Circuit



/ Pinning

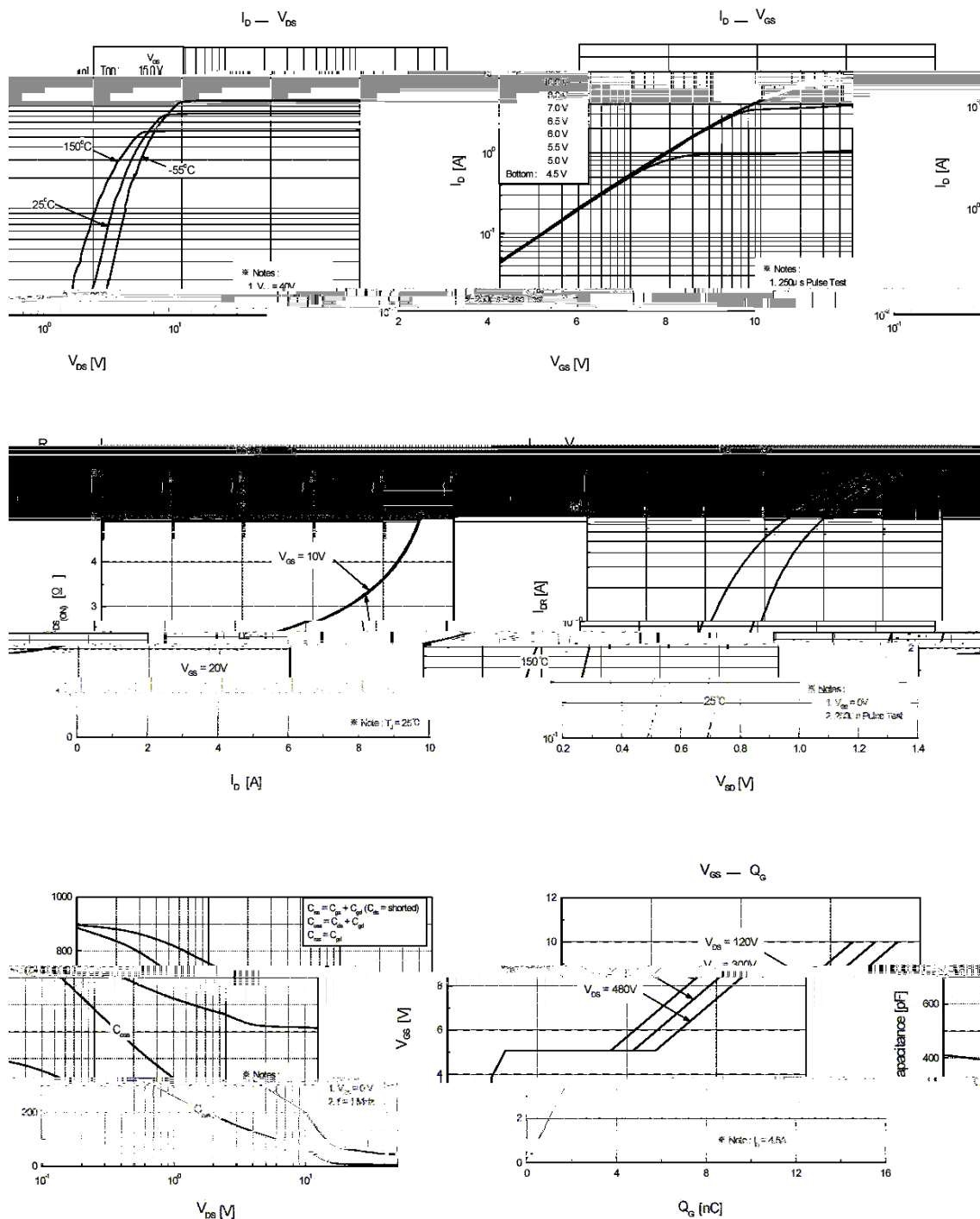


PIN1 G PIN 2 D PIN 3 S

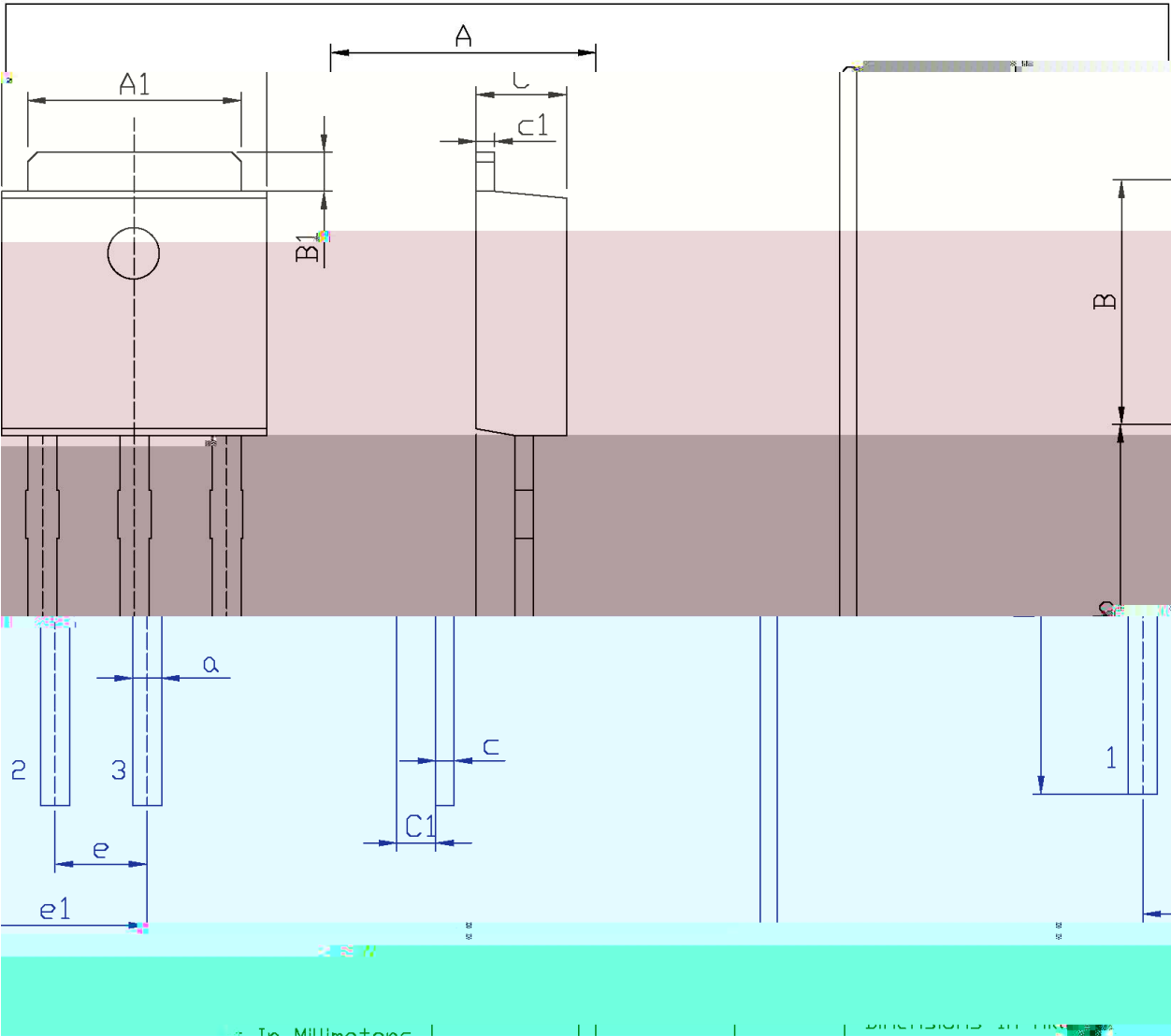
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

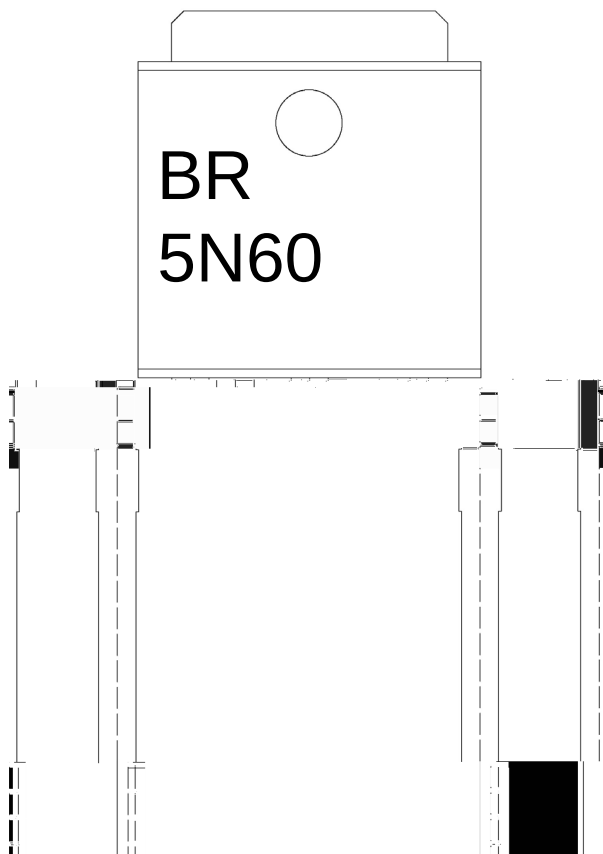


/ Package Dimensions



Dimensions in Millimeters				Dimensions in Inches			
Symbol	Min	Max	Typ	Symbol	Min	Max	Typ
A	10.0	12.0	11.0	D	0.75	0.95	0.85
A1	6.0	8.0	7.0	R1	0.95	1.25	1.10
B	5.0	6.0	5.5				
B1	3.0	4.0	3.5				
C	1.0	1.5	1.2				
C1	0.55	0.75	0.65				
a	1.0	1.5	1.2				
e	1.0	1.5	1.2				
e1	1.0	1.5	1.2				
1	1.0	1.5	1.2				
2	1.0	1.5	1.2				
3	1.0	1.5	1.2				

/ Marking Instructions



BR

5N60

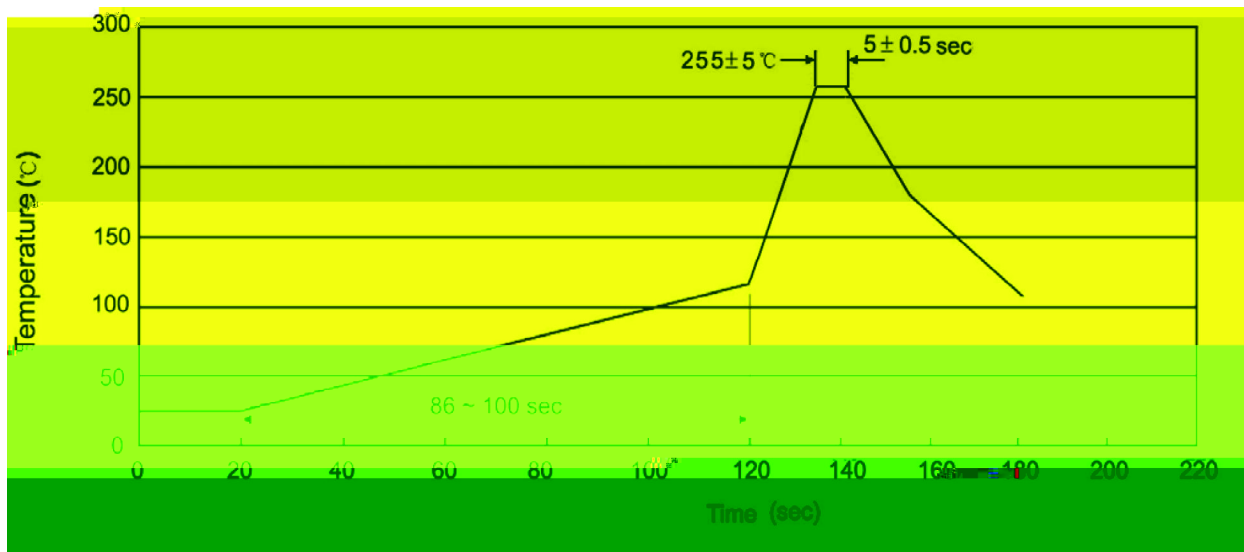
Note:

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**