

/ Descriptions

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

/ Features

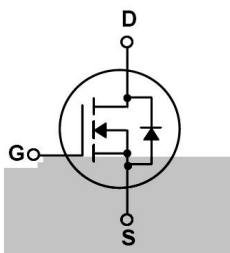
Low gate charge, low crss, fast switching.

/ Applications

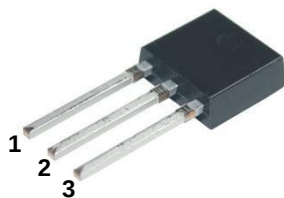
DC/DC

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

/ Equivalent Circuit



/ Pinning

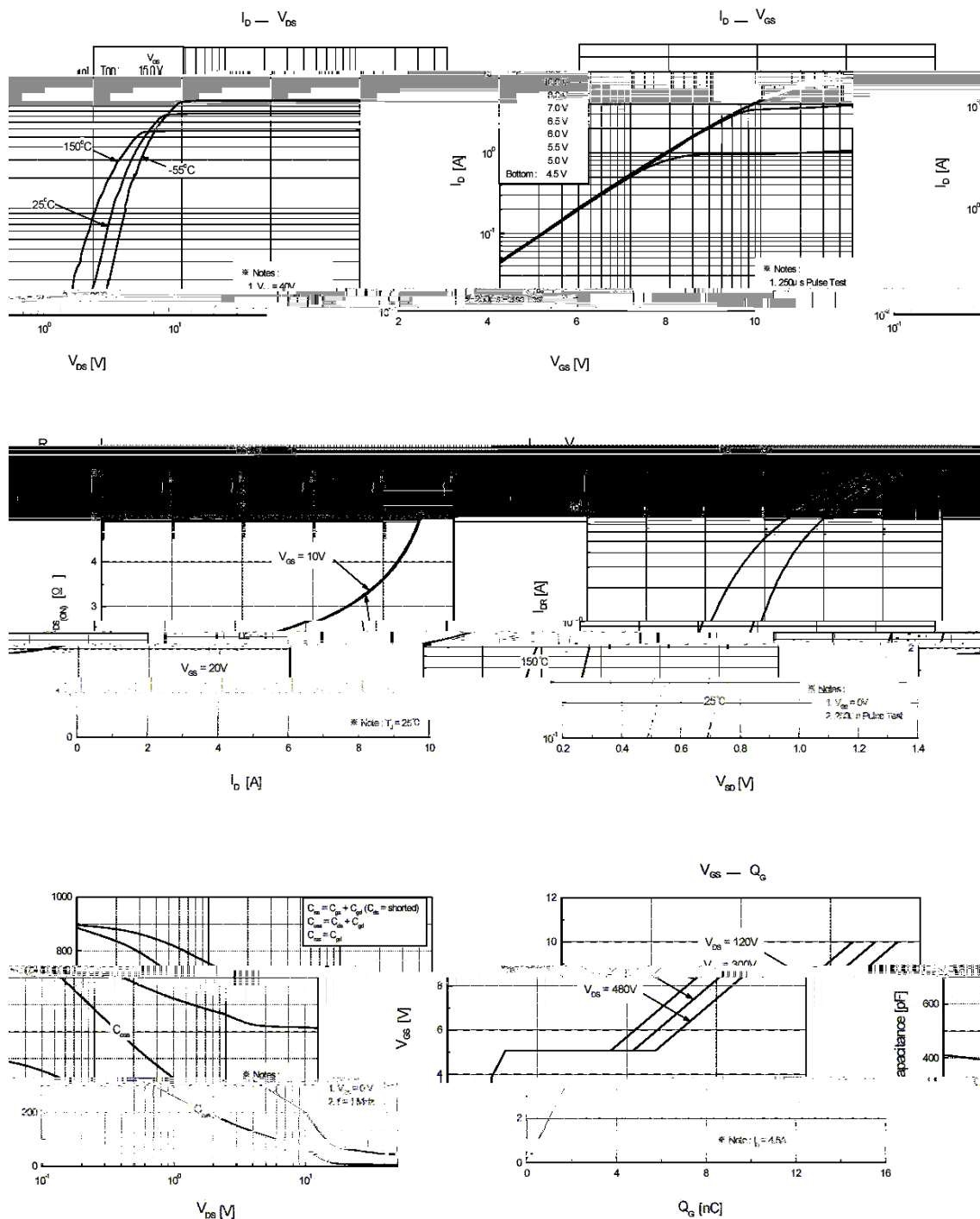


PIN1 G PIN 2 D PIN 3 S

/ h_{FE} Classifications & Marking

See Marking Instructions.

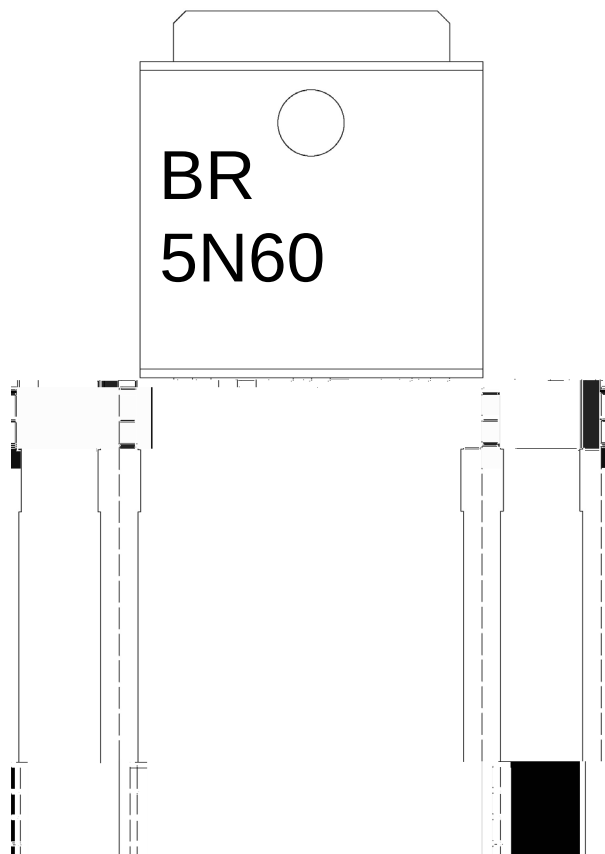
/ Electrical Characteristic Curve



Technical drawing of a mechanical part showing three views: front, top, and side. The front view shows a rectangular block with a circular hole, dimensions A, A1, B, B1, C, and C1. The top view shows dimensions a, e, e1, and C1. The side view shows dimensions 1 and 2. A table at the bottom lists dimensions in millimeters.

Dimension	Value	Unit
A	0.55	mm
A1	0.55	mm
B	0.95	mm
B1	0.95	mm
C	0.95	mm
C1	1.25	mm

/ Marking Instructions



BR

5N60

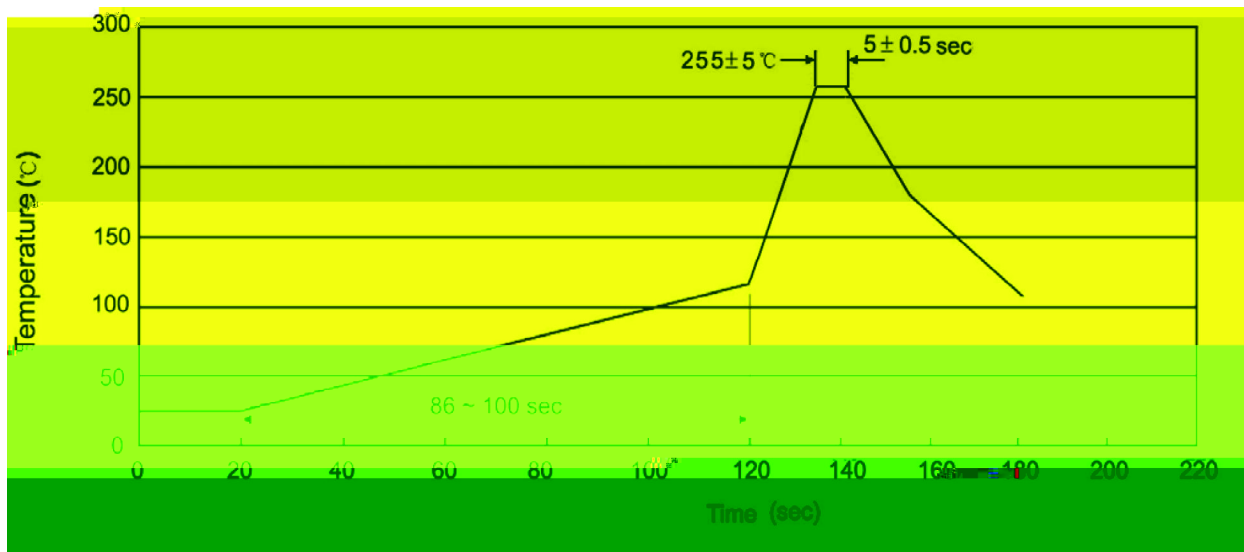
Note:

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**