

/ Descriptions

TO-220 N MOS N-CHANNEL MOSFET in a TO-220 Plastic Package.

/ Features

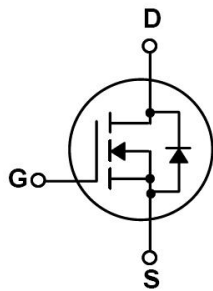
Low gate charge, low crss, fast switching.

/ Applications

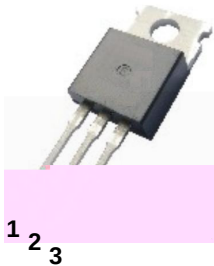
GF2GF

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

/ Equivalent Circuit



/ Pinning

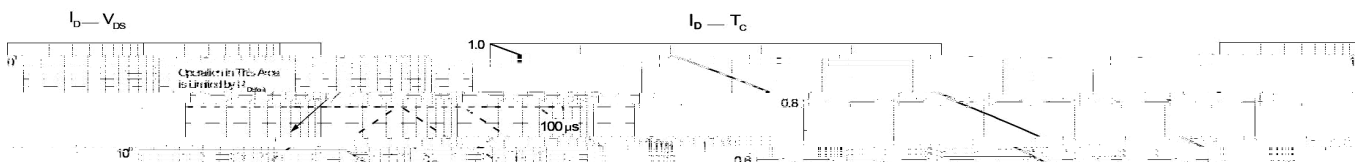
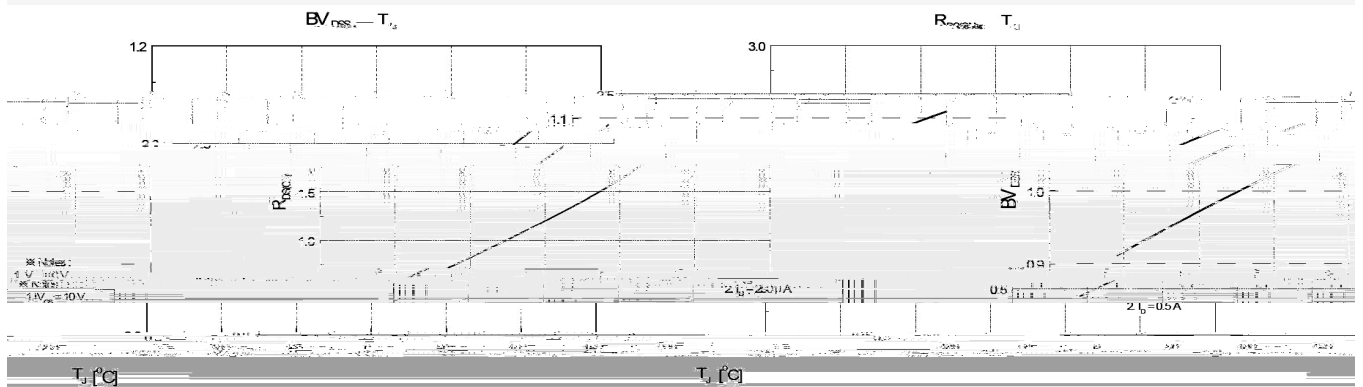
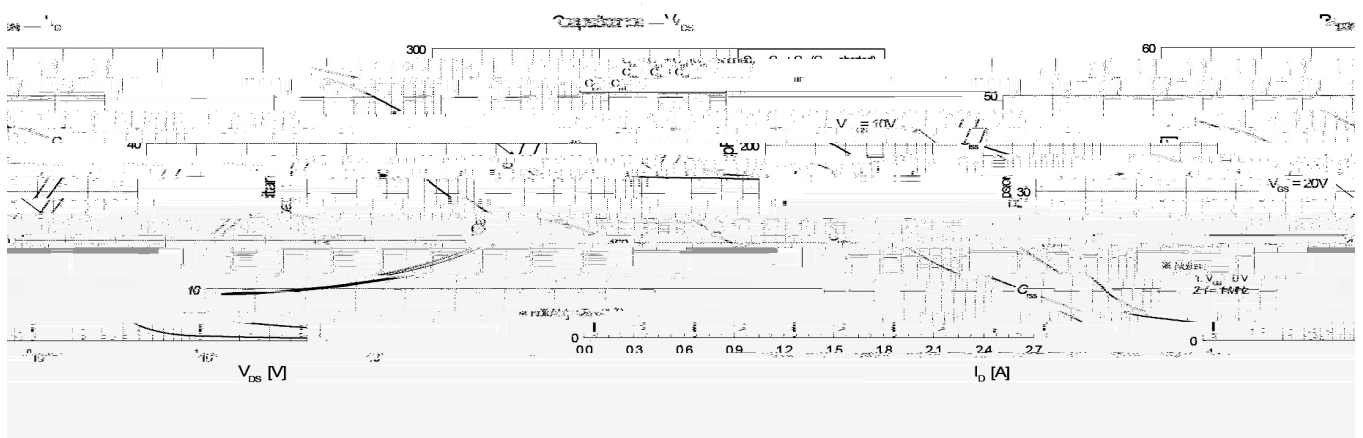
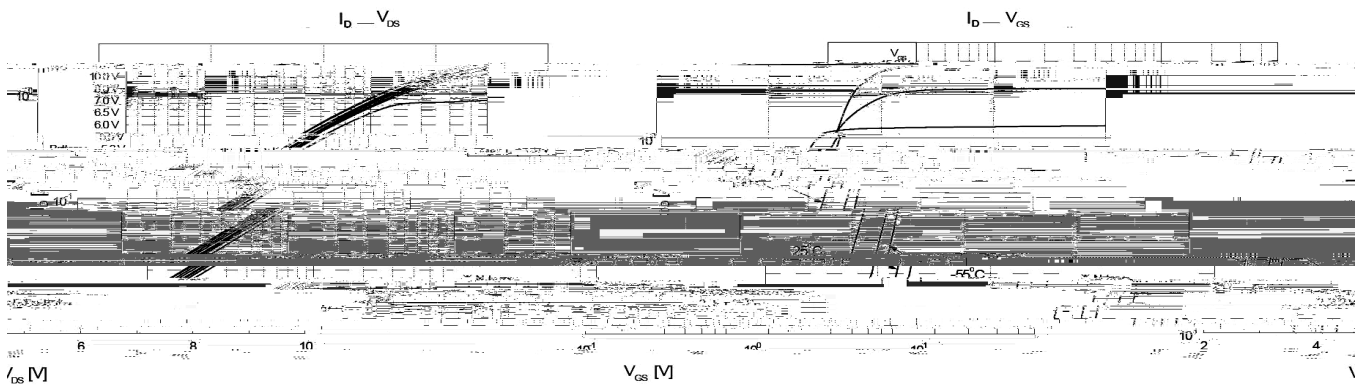


PIN1 G PIN 2 D PIN 3 S

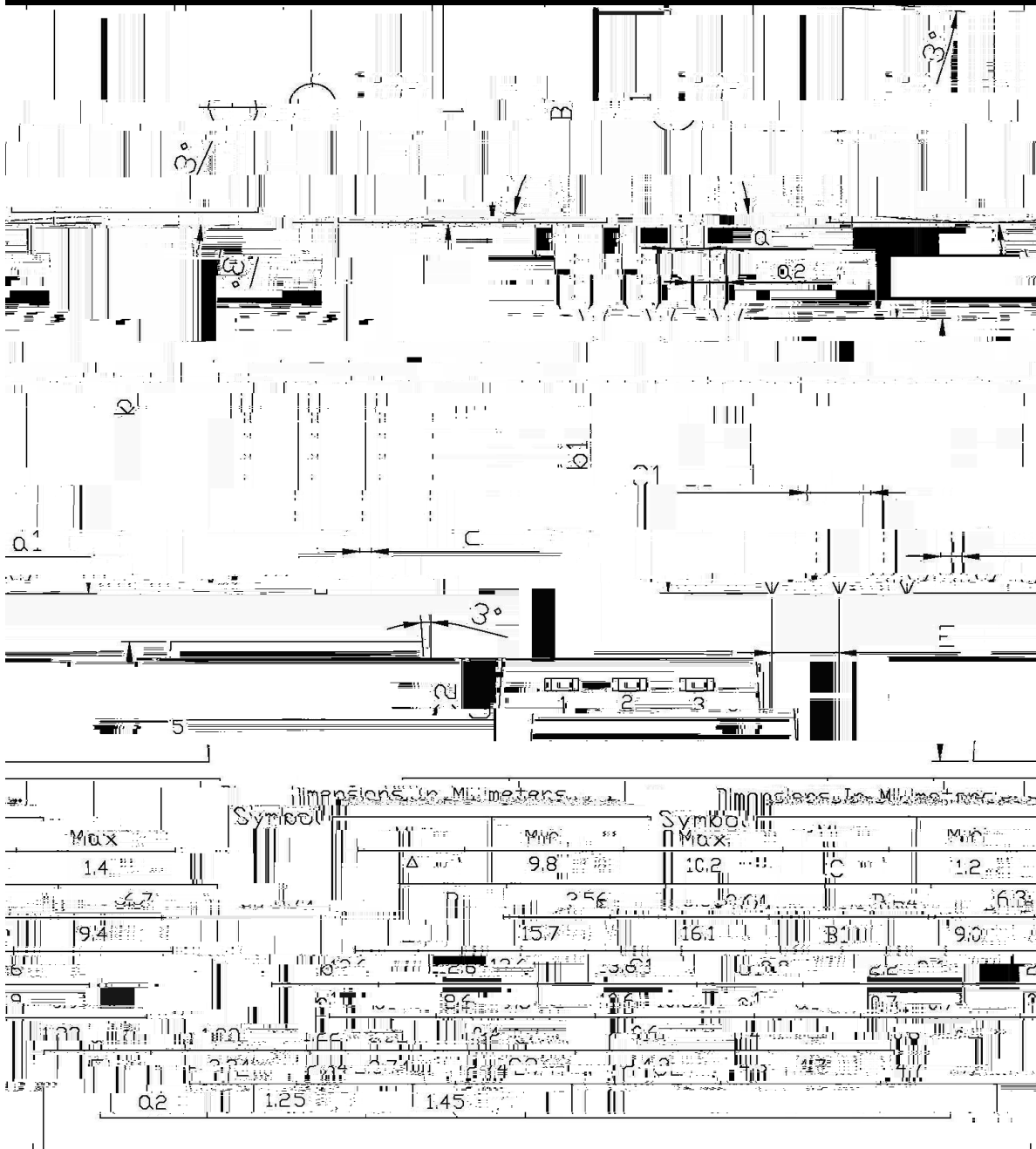
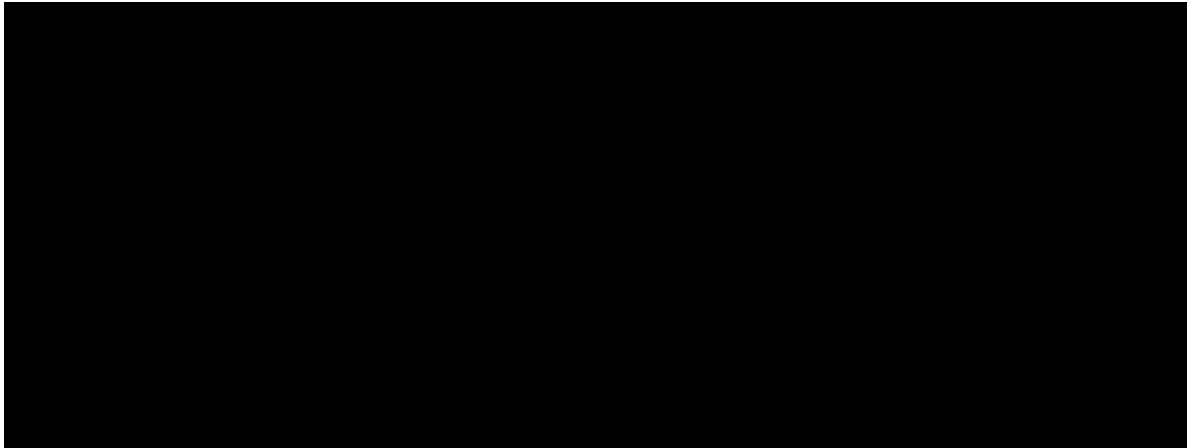
/ h_{FE} Classifications & Marking

See Marking Instructions.

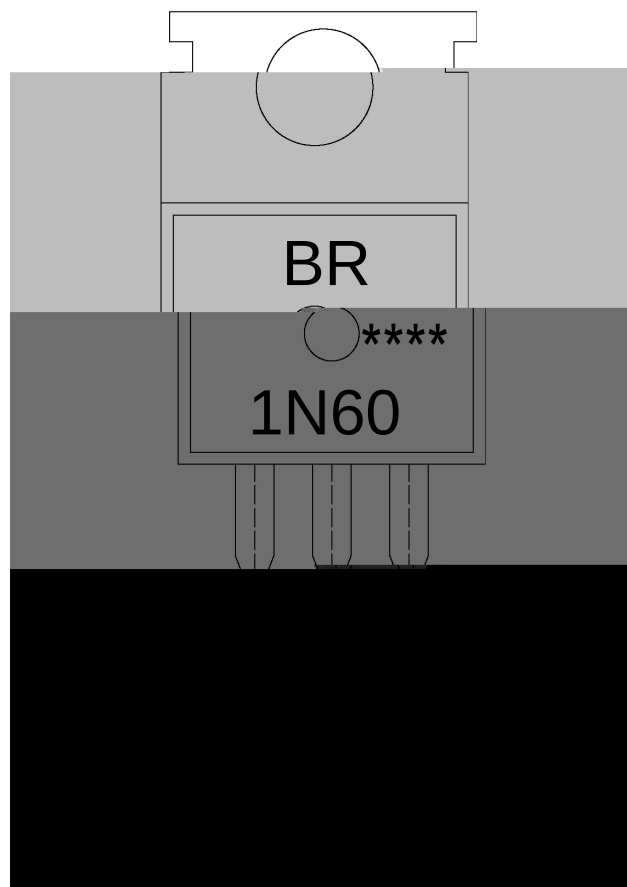
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

1N60

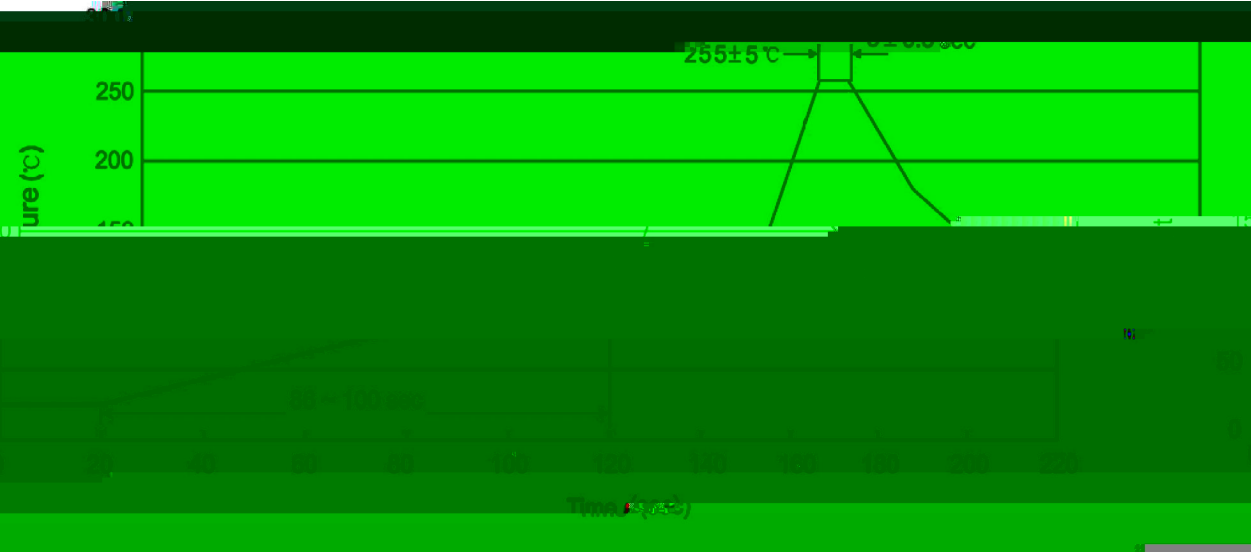
Note:

BR: Company Code

1N60: Product Type.

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

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



Note:

- | | | | | | |
|---|----|------------------------|----|------------------------|---|
| 1 | 25 | 150 $\frac{3}{8}$ | 60 | 90sec; | 1.Preheating:25~150 $\frac{3}{8}$, Time:60~90sec. |
| 2 | | 255 $\pm 5\frac{3}{8}$ | | 5 ± 0.5 sec; | 2.Peak Temp.:255 $\pm 5\frac{3}{8}$, Duration:5 ± 0.5 sec. |
| 3 | | | 2 | 10 $\frac{3}{8}$ /sec. | 3. Cooling Speed: 2~10 $\frac{3}{8}$ /sec. |

/ Resistance to Soldering Heat Test Conditions

270 $\pm 5\frac{3}{8}$ 10 ± 1 sec. Temp.:270±5