

/ Descriptions

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

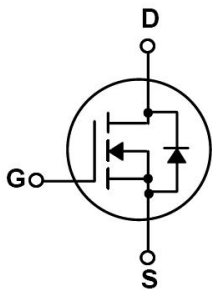
/ Features

Low gate charge, low crss, fast switching.

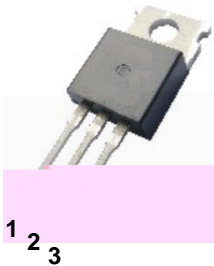
/ Applications

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

/ Equivalent Circuit



/ Pinning

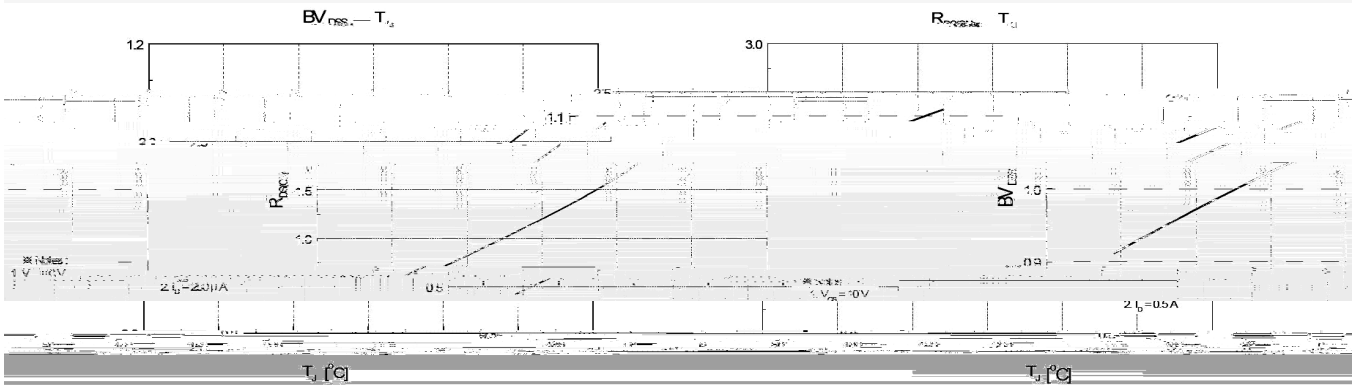
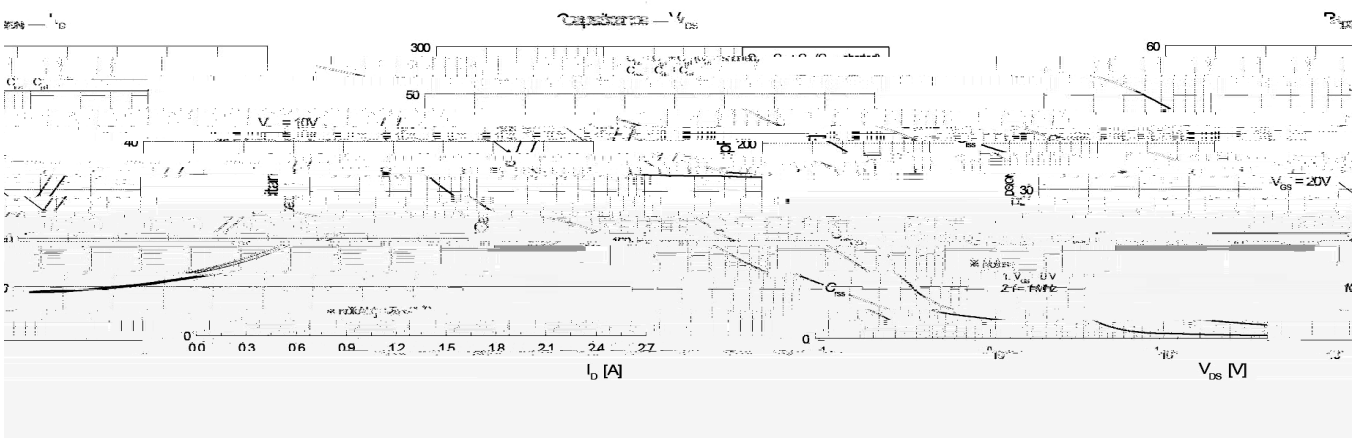
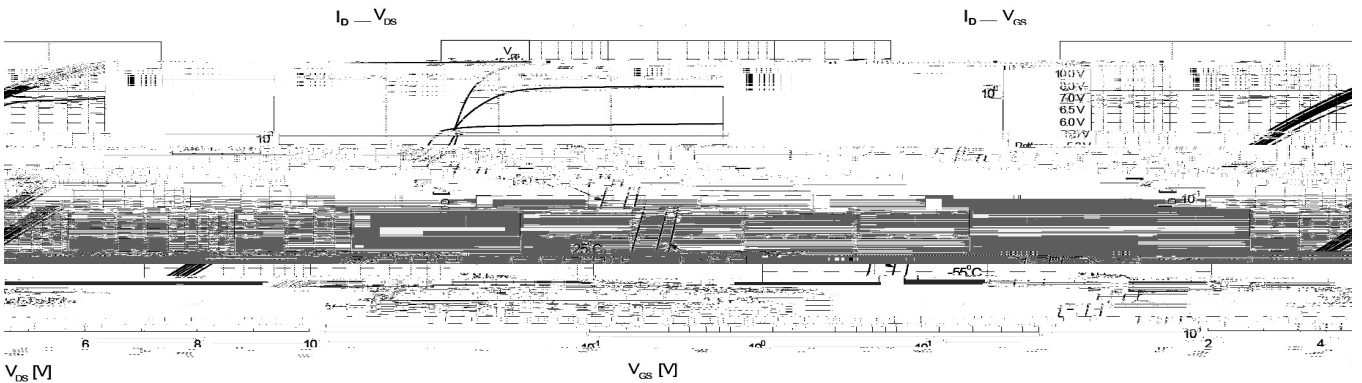


PIN1 G PIN 2 D PIN 3 S

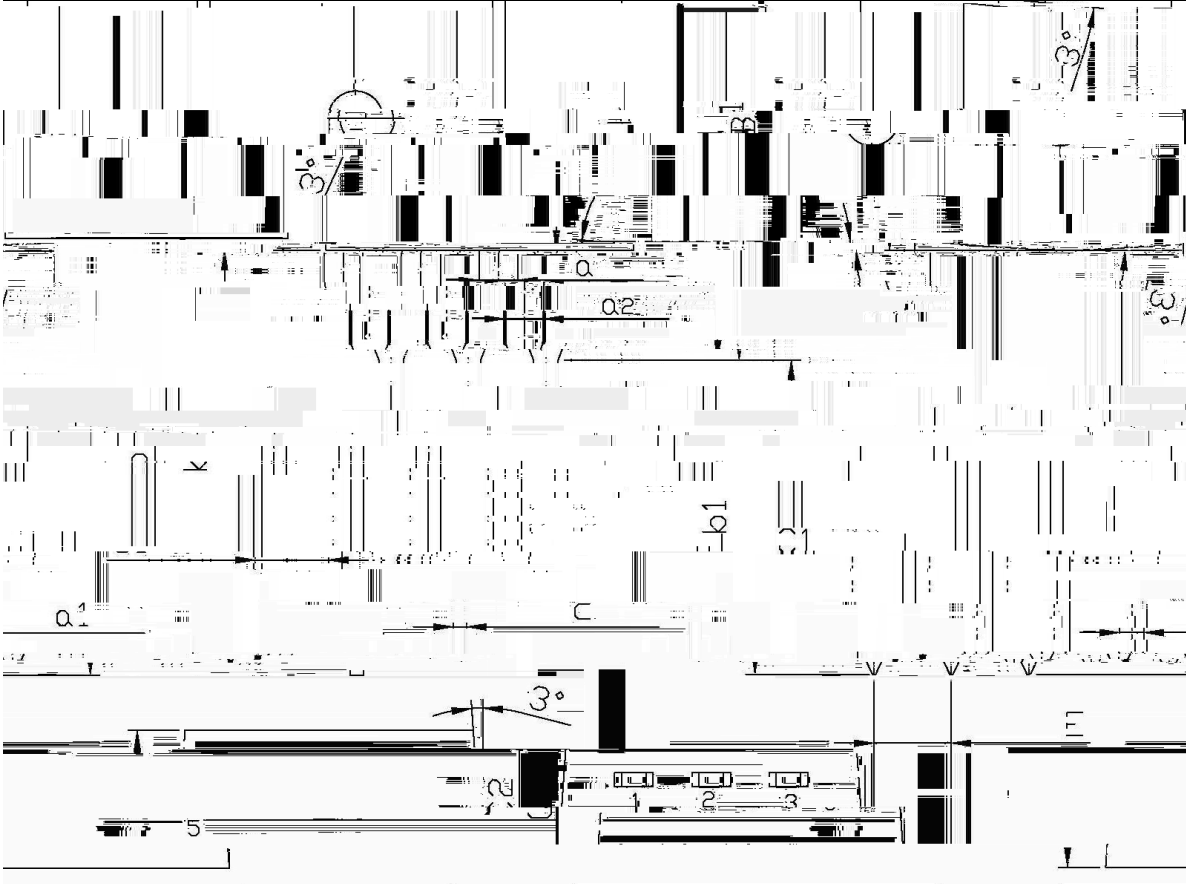
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

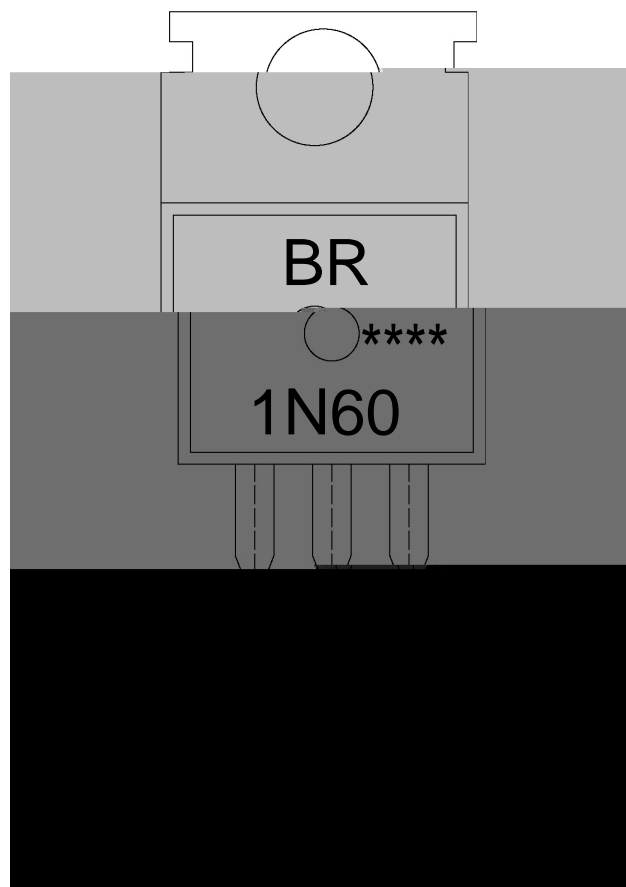


/ Package Dimensions



Dimensions in Millimeters		Dimensions in Millimeters	
Symbol	Min	Symbol	Max
a1	1.4	C	1.2
a2	6.7	B	6.3
a3	9.4	B1	9.0
b1	6.2	C1	6.0
c	2.0	B2	6.0
e	1.25	B3	6.0
	1.45		

/ Marking Instructions



BR

1N60

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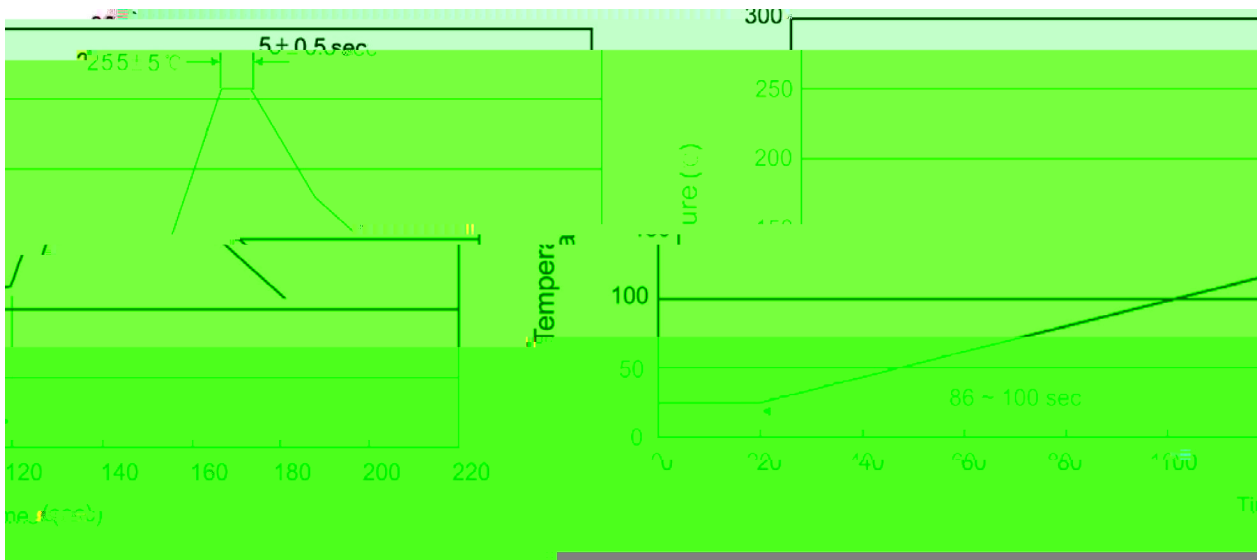
Note:

BR: Company Code

1N60: Product Type.

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

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



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

/ Resistance to Soldering Heat Test Conditions

270..5 10..1 sec. Temp.:270±5