

/ Descriptions

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

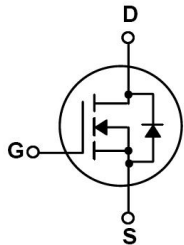
/ Features

Low thermal resistance, fast switching.

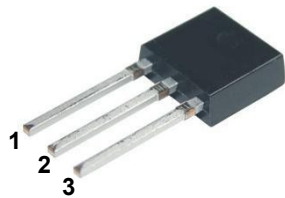
/ Applications

For Electronic transformer, Switch mode power supply.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 D PIN 3 S

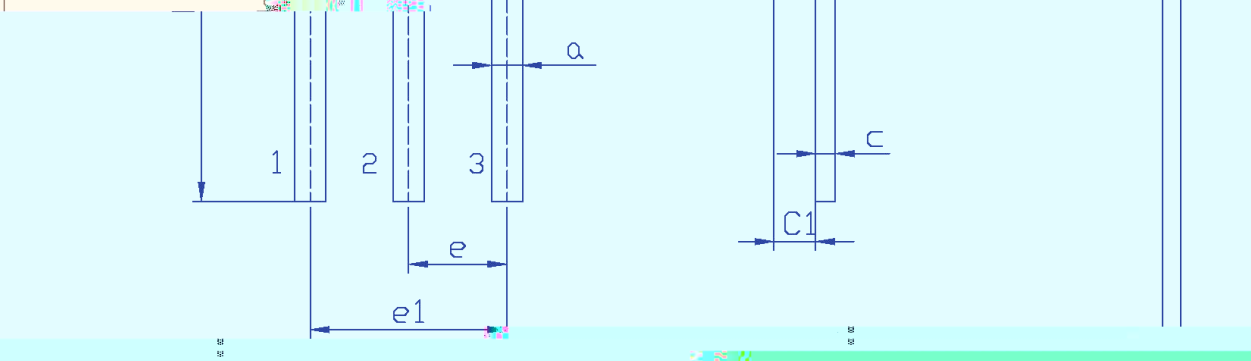
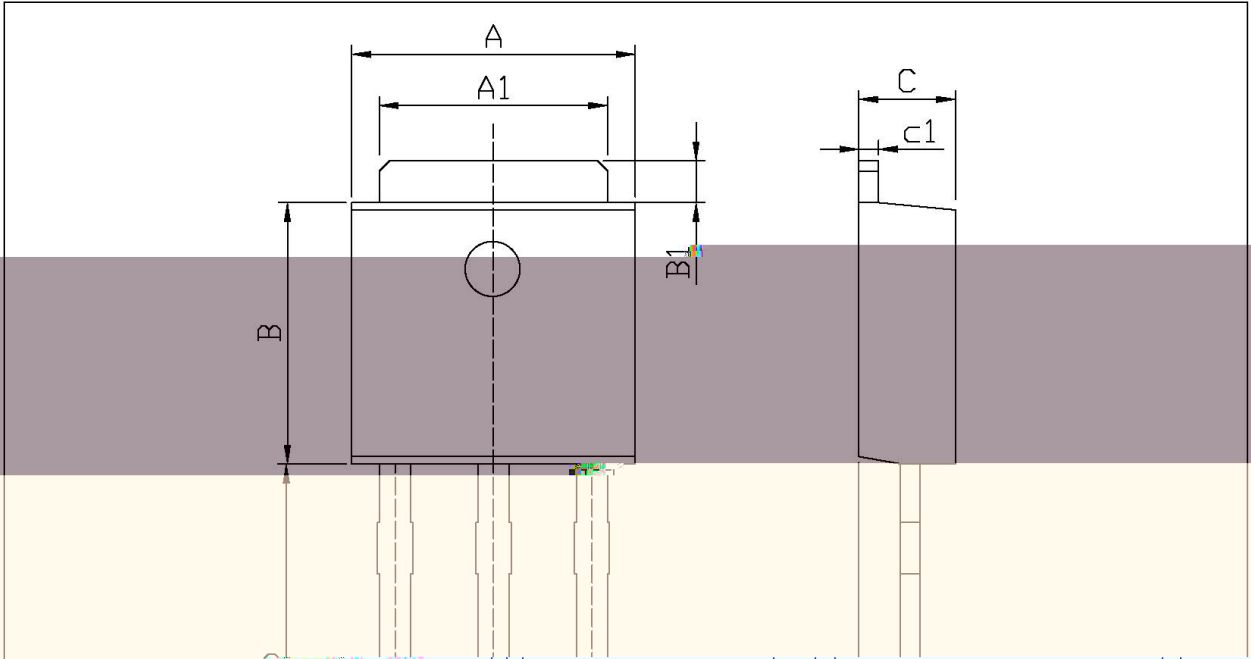
/ h_{FE} Classifications & Marking

See Marking Instructions.

Unit
V
V
A
A
A
mJ
W
/W

/W 0%B195Vp0)pQ

/ Package Dimensions

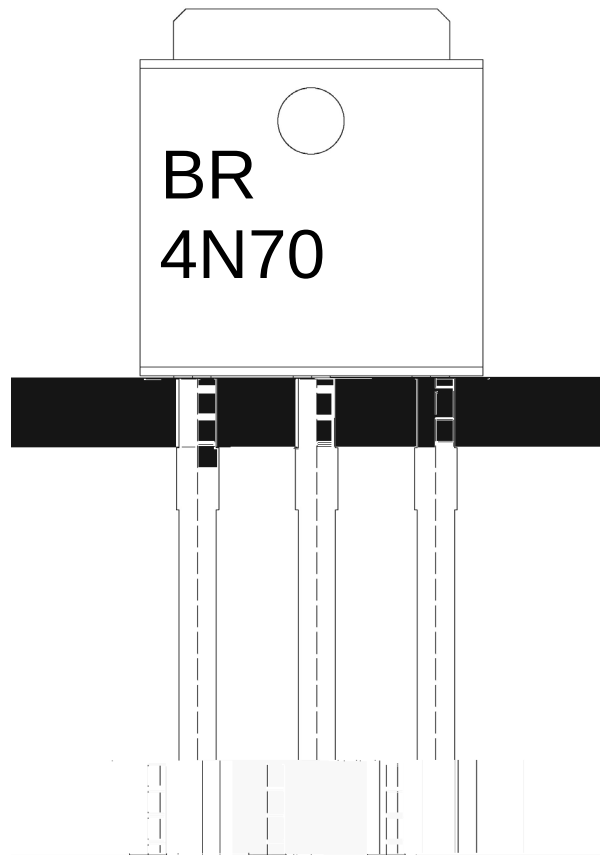


Dimensions are in millimeters

5.10	5.50	b	9.00	9.40	A1
5.95	6.35	c	10.50	10.55	B1
0.95	1.25	c1	0.45	0.55	C
2.20	2.40	e	2.24	2.34	C1
0.95	1.15	e1	4.43	4.73	

TO-251

/ **Marking Instructions**



BR

4N70

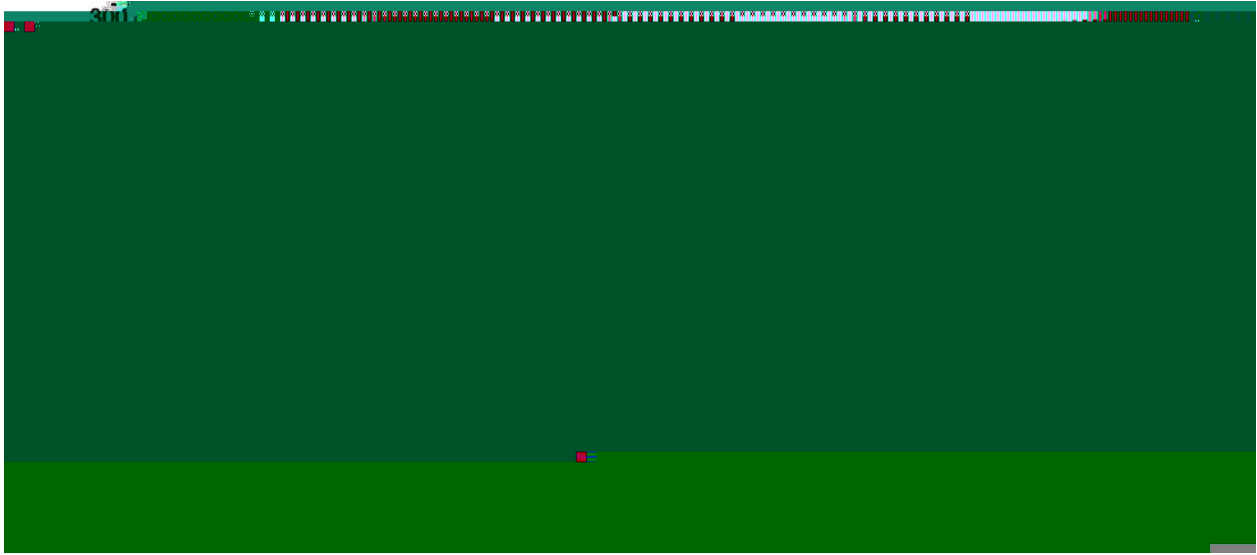
Note:

BR: Company Code

4N70: 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**