

BRMJ172DQ

Rev.A Jun.-2025

/ Descriptions

TO-252 PNP Silicon PNP transistor in a TO-252 Plastic Package.

/ Features

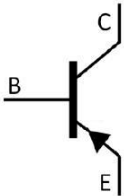
AEC-Q101

high speed switching, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

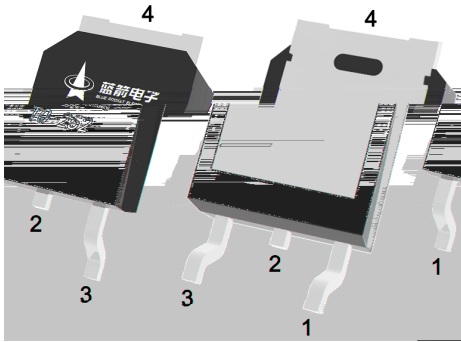
/ Applications

Low power audio amplifier, Low current, high speed switching applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2,4 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

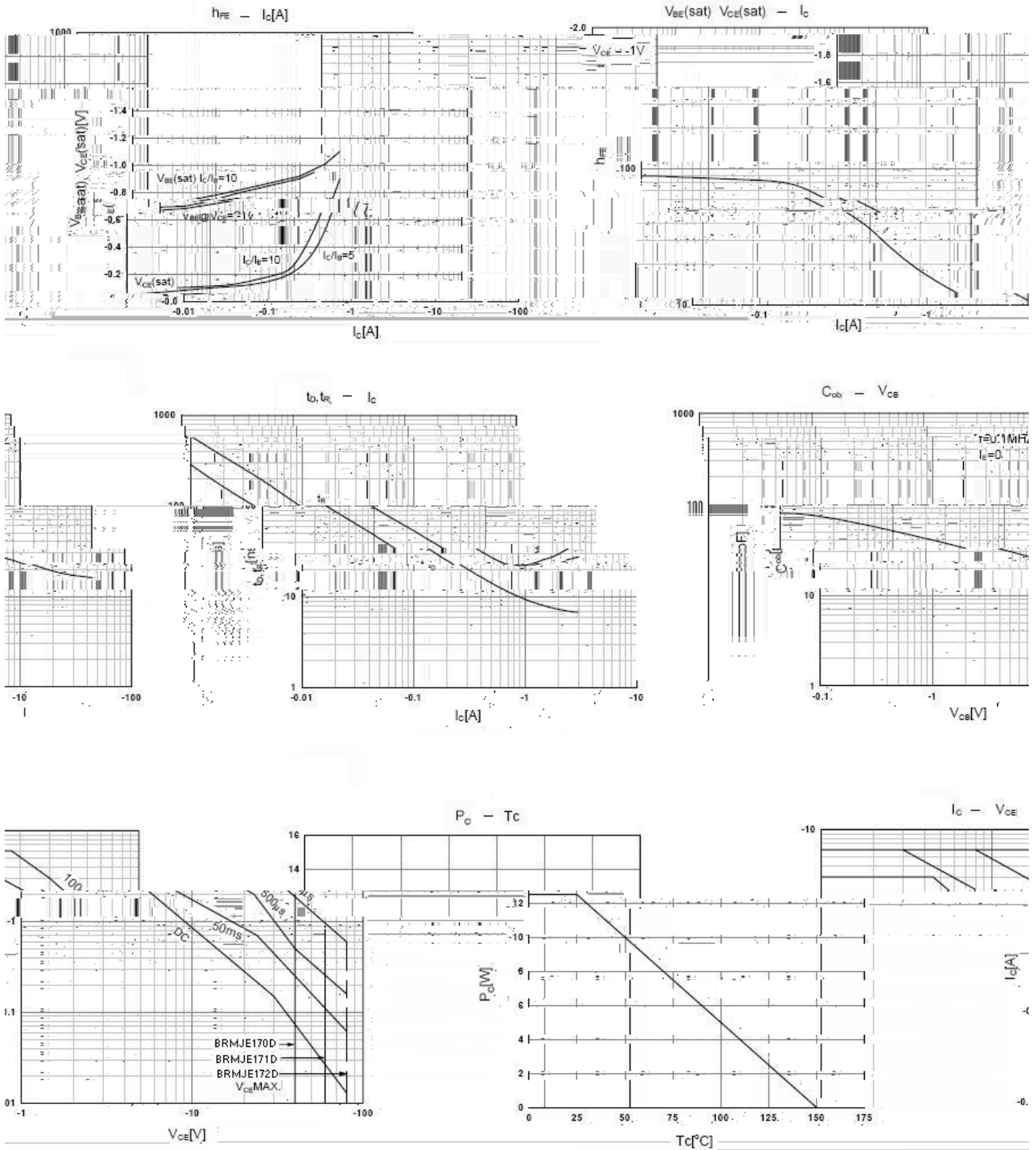
See Marking Instructions.

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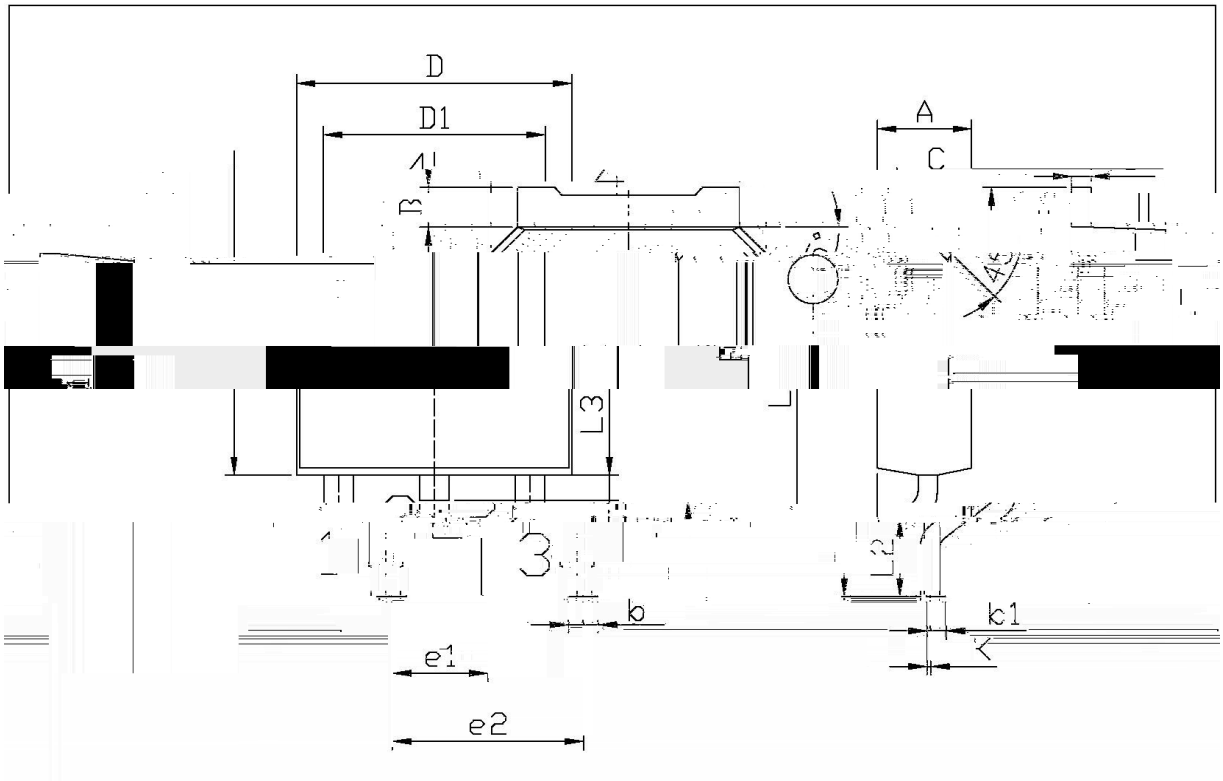
Rev.A Jun.-2025

DATA SHEET

/ Electrical Characteristic Curve



/ Package Dimensions

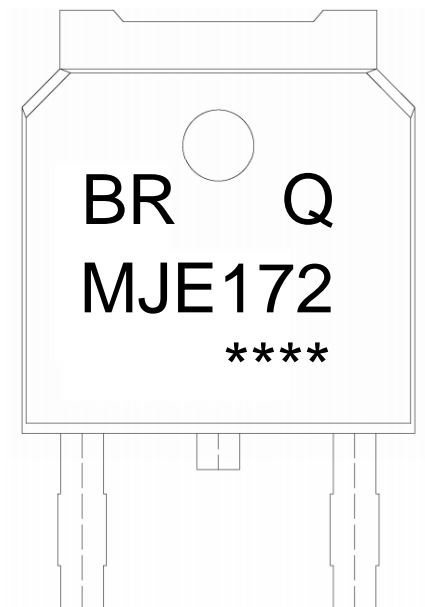


单位: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
F	5.95	6.25	A	2.20	2.40
e1	2.24	2.34	B	0.95	1.25
e2	4.73	7.25	L1	0.70	0.90
L1	0.55	0.85	L2	10.35	0.45
L2	0.45	0.55	L3	1.70	2.00
L3	0.60	0.90	D1	6.45	6.75
L4	0.80	1.10	J1	0.10	0.50

T0-252

/ Marking Instructions



BR

Q

MJE172

Note:

BR: Company Code

Q: Automobile halogen-free product Code

MJE172: Product Type Code

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

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DATA SHEET

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Note:

- | | | | |
|---|-----------|--------------|---|
| 1 | 150 ~ 200 | 60 ~ 120sec; | 1.Preheating:150~200 , Time:60~120sec. |
| 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

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL