

**/ Descriptions**

Silicon PNP transistor in a TO-220 Plastic Package.

**/ Features**

High DC current gain, High  $V_{CE0}$ , High  $f_T$ , Complementary pair with MJE15034.

**/ Applications**

Designed for us as high-frequency drivers in audio amplifiers.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

**/  $h_{FE}$  Classifications & Marking**

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-350	V
Collector to Emitter Voltage	$V_{CEO}$	-350	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current - Continuous	$I_C$	-4.0	A
Base Current - Continuous	$I_B$	-1.0	A
Collector Power Dissipation	$P_D$	2.0	W
	$P_D(T_C=25^\circ C)$	50	W
Junction Temperature	$T_J$	150	
Storage Temperature Range	$T_{stg}$	-65 150	
Thermal Resistance, Junction to Case	$R_{JC}$	2.5	/W
Thermal Resistance, Junction to Ambient	$R_{JA}$	62.5	/W

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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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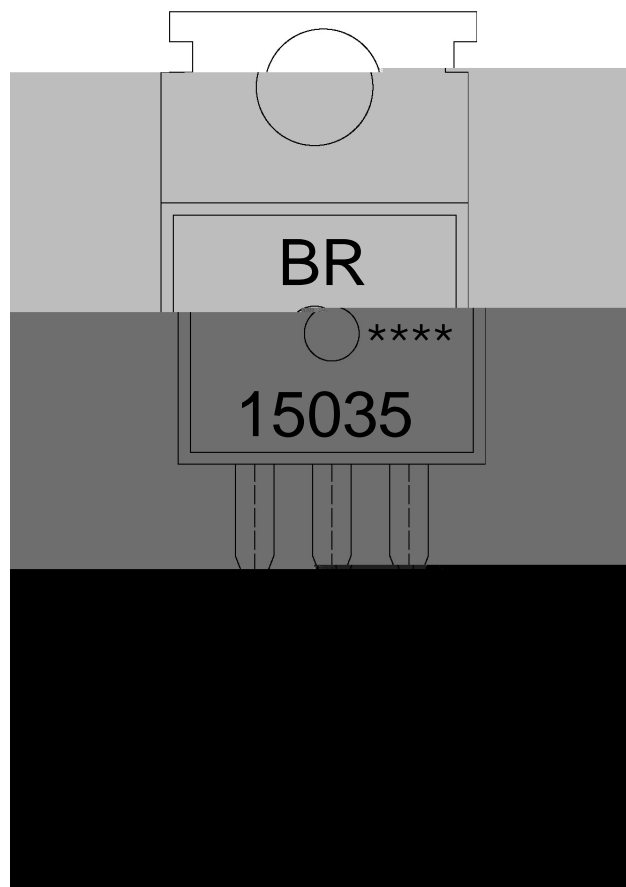
/ **Electrical Characteristic Curve**

/ Package Dimensions



Symbol	Dimensions in Millimeter (mm)	Dimensions in Millimeter (mm)
A	10.00	10.00
B	5.00	5.00
C	10.00	10.00
A1	10.00	10.00
B1	5.00	5.00
C1	10.00	10.00
a	1.00	1.00
a1	1.00	1.00
b1	1.00	1.00
k	1.00	1.00
L	1.00	1.00

/ Marking Instructions



BR

15035

Note:

BR: Company Code

15035: 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 <sup>3</sup> )		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices