

# MJE15037B

Rev.E May.-2016

## / Descriptions

TO-263          PNP          Silicon PNP transistor in a TO-263 Plastic Package.

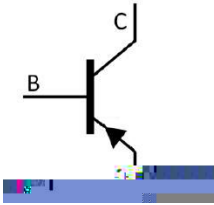
## / Features

-          -          MJE15036B  
High DC current gain, High  $V_{CE0}$ , High  $f_T$ . Complementary pair with MJE15036B.

## / Applications

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

## / Equivalent Circuit



## / Pinning



PIN1 Base          PIN 2 4 Collector          PIN 3 Emitter

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

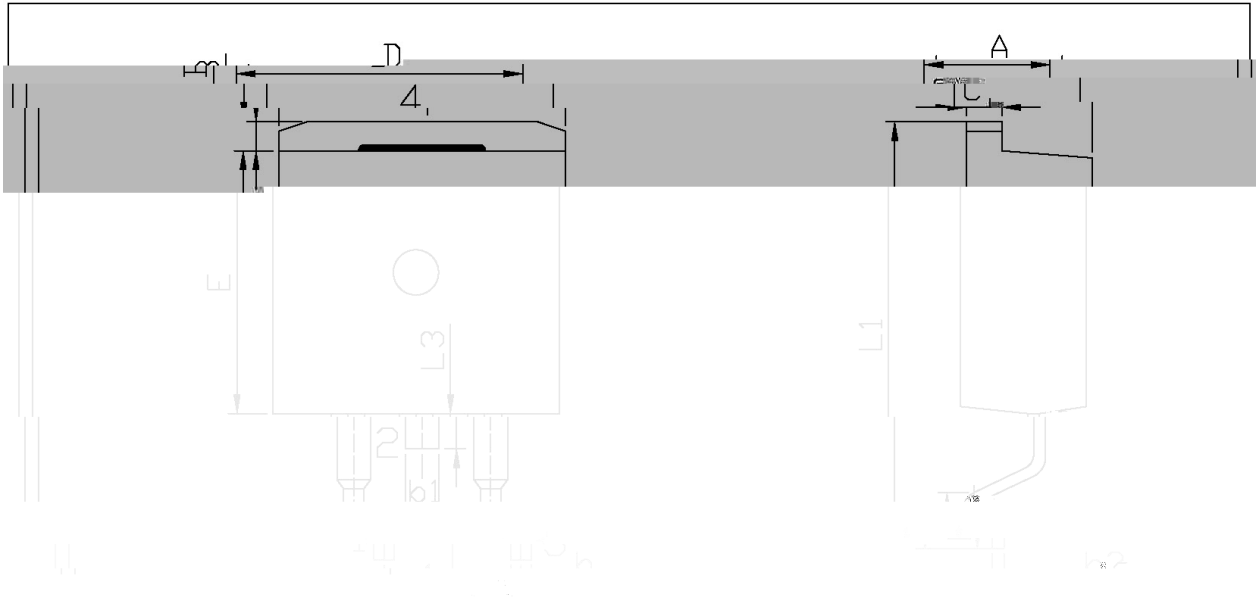
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-250	V
Collector to Emitter Voltage	$V_{CEO}$	-250	V
Emitter to Base Voltage	$V_{EBO}$	-5	V
Collector Current - Continuous	$I_C$	-8	A
Base current	$I_B$	-2	A
Total power dissipation	$P_D$	2	W
Total power dissipation	$P_D(T_c=25^\circ\text{C})$	50	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-65 150	
Thermal Resistance Junction-case	$R_{JC}$	2.5	/W
Thermal Resistance Junction-ambient	$R_{JA}$	62.5	/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage*	$*V_{CEO}$	$I_C=-10\text{mA}$ $I_B=0$	250			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=-250\text{V}$ $I_E=0$			-1	$\mu\text{A}$



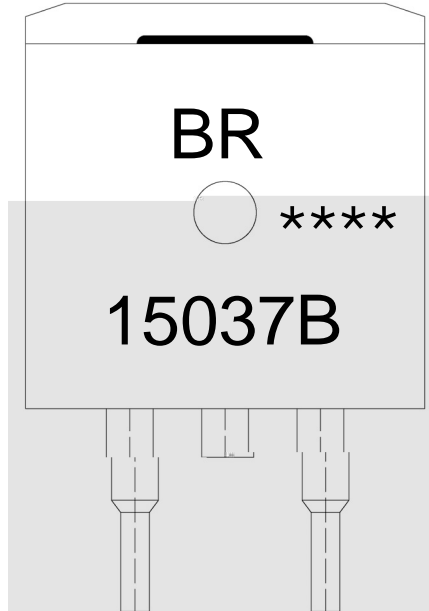
**/ Package Dimensions**



Max	Min	Max	Min
0.40	4.30	4.70	0.00
2.74	1.00	1.40	2.34
16.00	b1	1.15	1.35
2.84	b2	0.10	0.00
1.20	C	1.20	1.40
	D	9.80	10.20

TP-263

/ Marking Instructions



BR

15037B

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Note:

BR: Company Code

15037B: Product Type.

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

