

/ Descriptions

TO-263

PNP

Silicon PNP transistor in a TO-263 Plastic Package.

/ Features

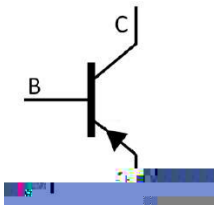
MJE15036B

High DC current gain, High V_{CEO} , 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

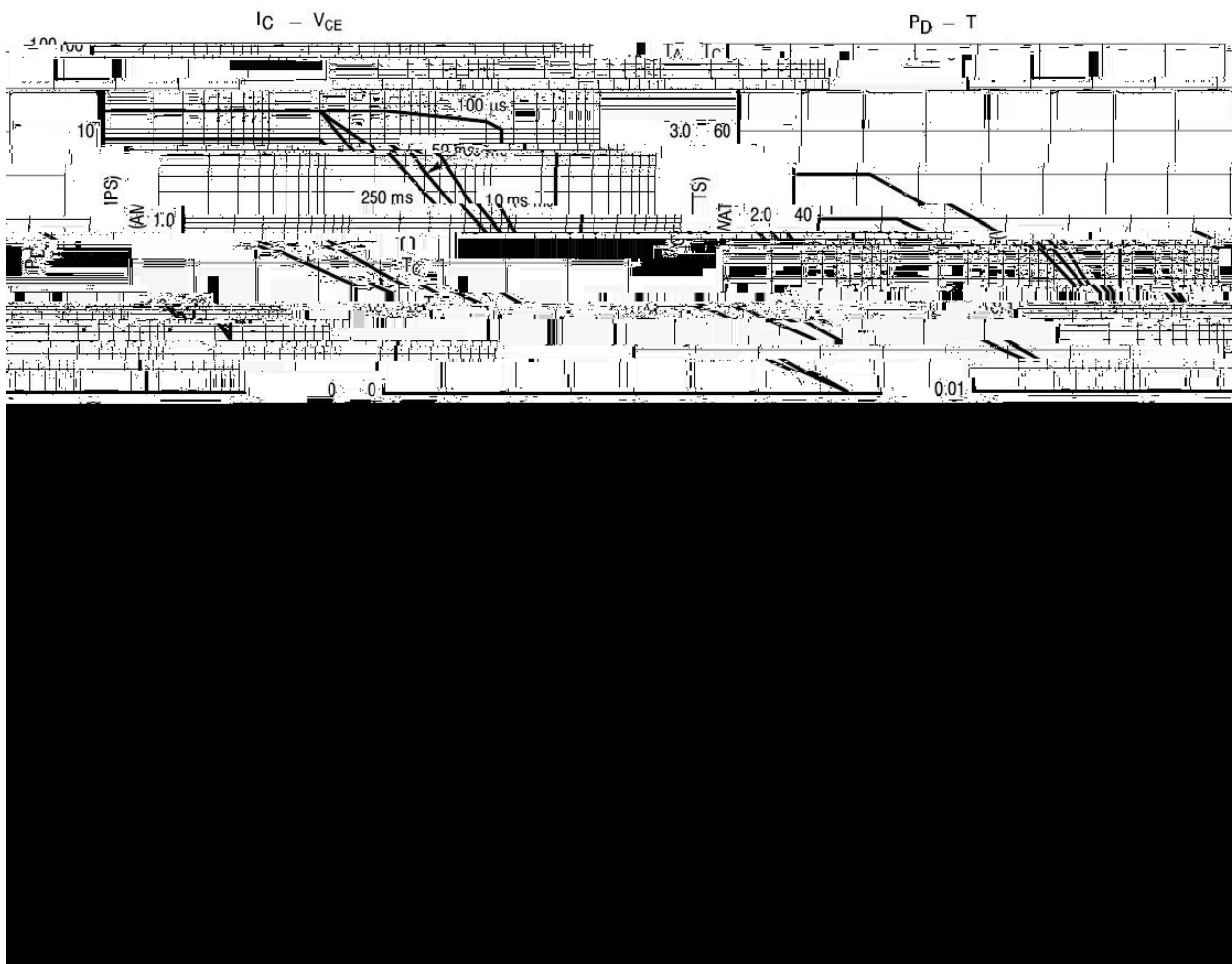
/ h_{FE} Classifications & Marking

See Marking Instructions.

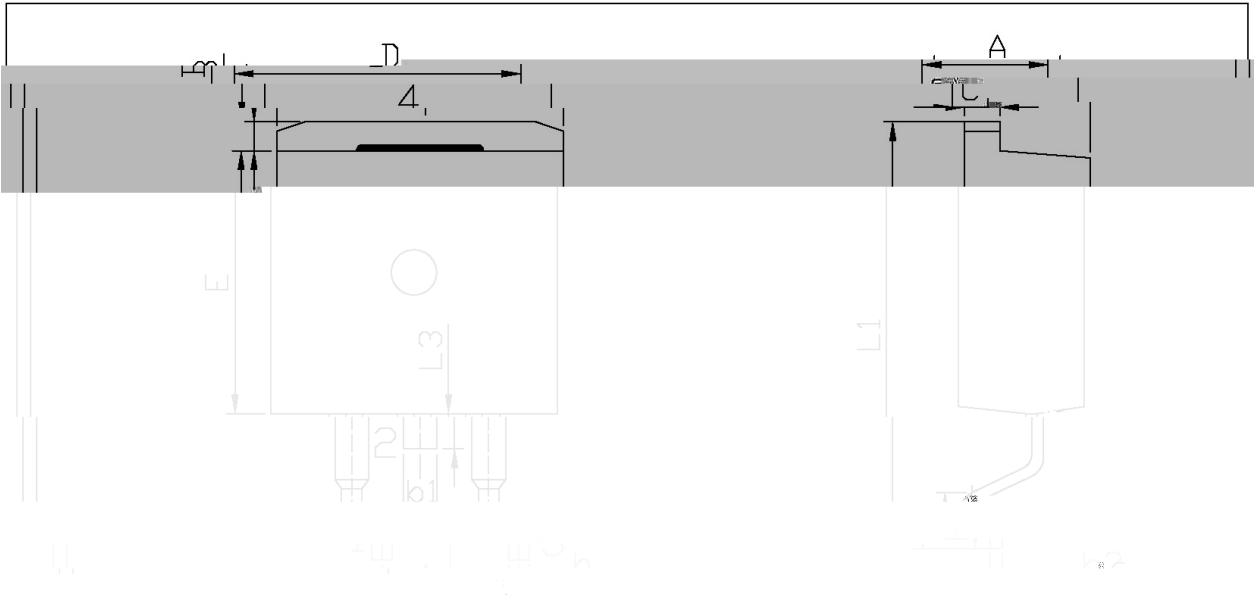
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-250	V
Collector to Emitter Voltage	V_{CEO}	-250	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current - Continuous	I_C	-8	A
Base current	I_B	-2	A
Total power dissipation	P_D	2	W
Total power dissipation	$P_D(T_c=25^\circ\text{C})$	50	W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

/ Electrical Characteristic Curve

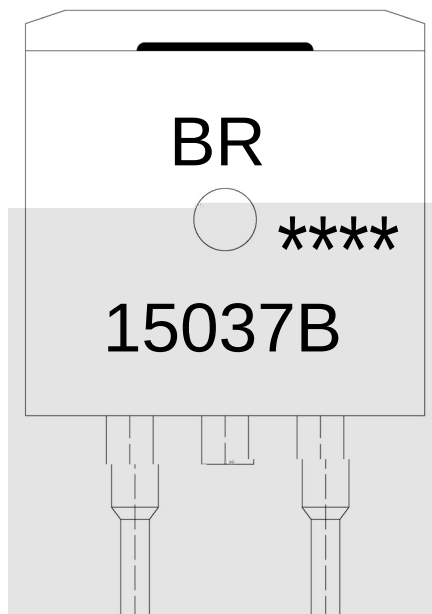


/ Package Dimensions



Max		Min		Max		Min	
A		4.30		4.70		A	
B		1.00		1.40		B	
C		1.20		1.40		C	
D		9.80		10.20		D	
L1		1.15		1.35		L1	
L2		0.10		0.30		L2	
L3		1.20		1.40		L3	
b1		1.15		1.35		b1	
b2		0.10		0.30		b2	
b3		1.20		1.40		b3	

/ Marking Instructions



BR

15037B

Note:

BR: Company Code

15037B: Product Type.

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

