

/ Descriptions

TO-263

PNP

Silicon PNP transistor in a TO-263 Plastic Package.

/ Features

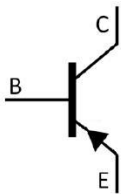
MJE15036B

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

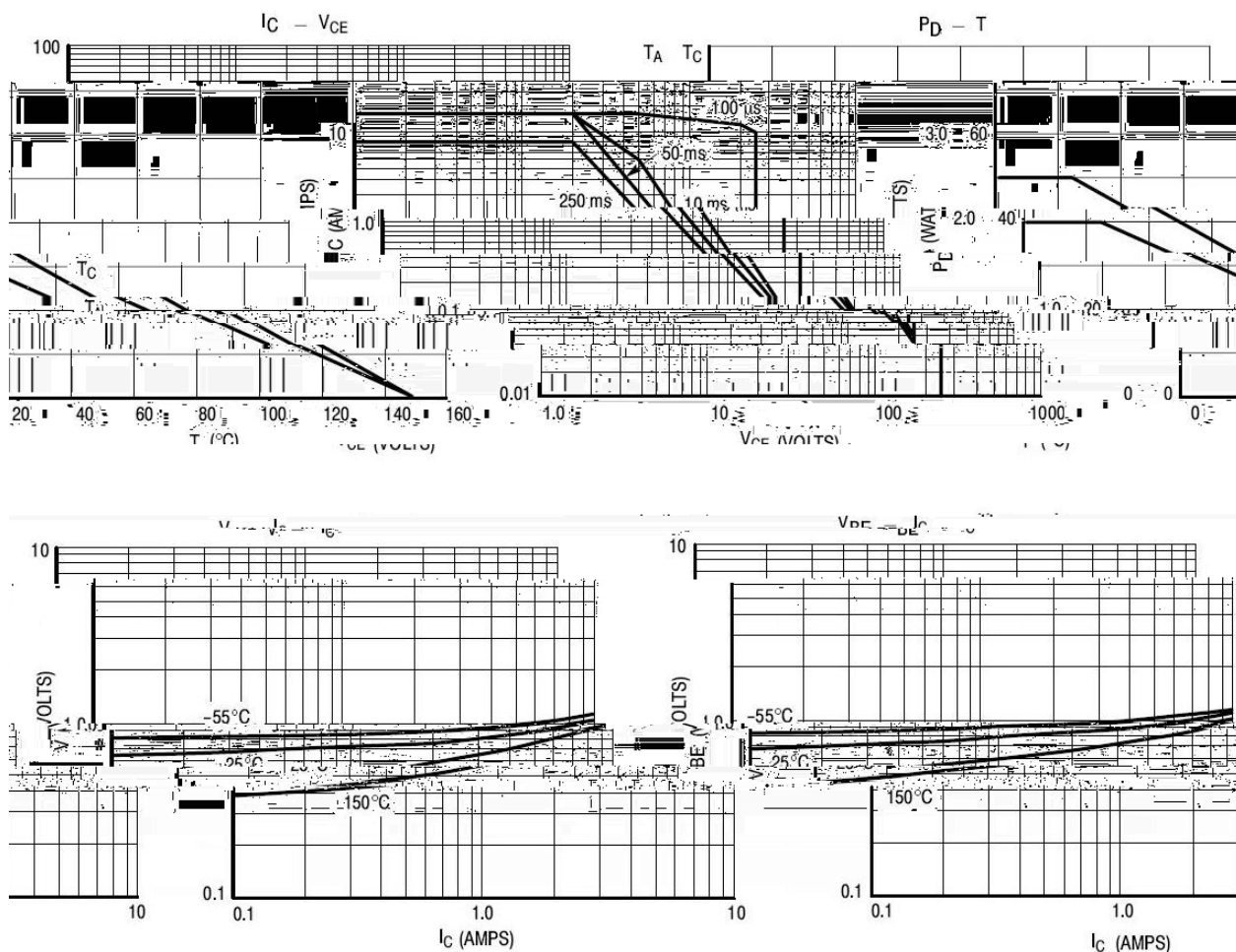
See Marking Instructions.

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	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-65~150	$^{\circ}\text{C}$
Thermal Resistance Junction-case	$R_{\theta JC}$	2.5	$^{\circ}\text{C/W}$
Thermal Resistance Junction-ambient	$R_{\theta JA}$	62.5	$^{\circ}\text{C/W}$

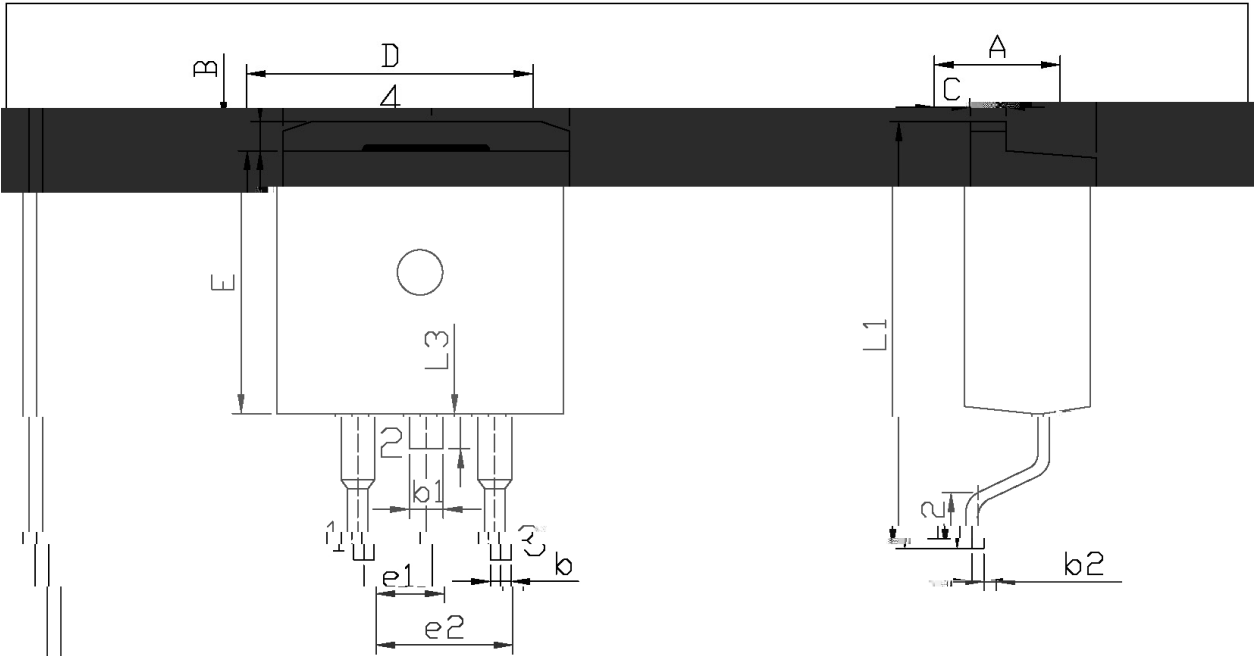
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage*	$*V_{CEO}$	$I_C=-10\text{mA}$ $I_B=0$	250			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-250\text{V}$ $I_E=0$			-1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{BE}=-5\text{V}$ $I_C=0$			-1	μA
	$*h_{FE(1)}$	$V_{CE}=-5\text{V}$ $I_C=-1\text{A}$	5000			

DC Current Gain

/ Electrical Characteristic Curve

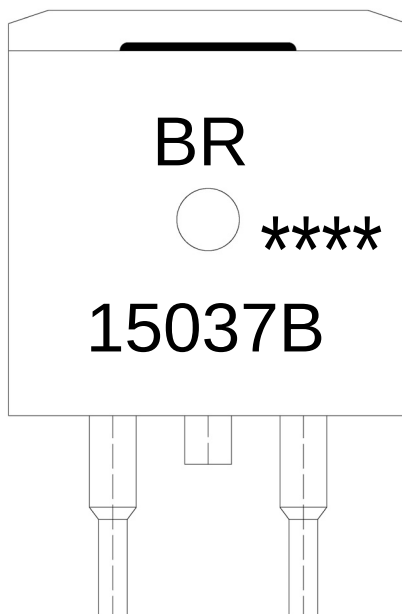


I Package Dimensions



单位: mm								
rs			Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
				Min	Max		Min	Max
			A	4.30	4.70	E _L	9.00	9.40
			B	1.00	1.40	e1	2.34	2.74
			b	0.70	0.90	e2	4.88	5.28
0			b1	1.15	1.35	L1	15.00	16.40
4			b2	0.40	0.60	L2	2.24	2.64
0			C	1.20	1.40	L3	1.20	1.60
			D	9.80	10.20			
TQ-263								

/ Marking Instructions



BR

15037B

Note:

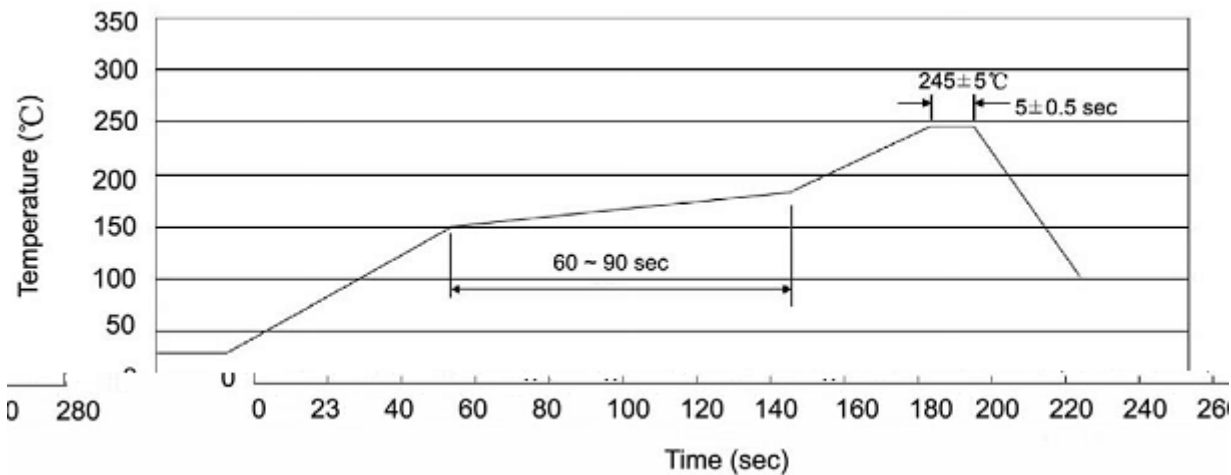
BR: Company Code

15037B: Product Type.

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



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Note:

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|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±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°C Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-263	800	1	800	5	4,000	13" ×24	360×360×50	385×257×392

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-263	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180

/ Notices