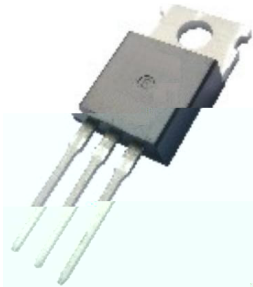
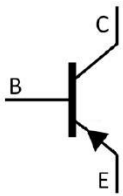


Silicon PNP transistor in a TO-220 Plastic Package.

High DC current gain, High V_{CEO} , High f_T , Complementary pair with MJE15032.

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



PIN1 Base PIN 2 Collector PIN 3 Emitter

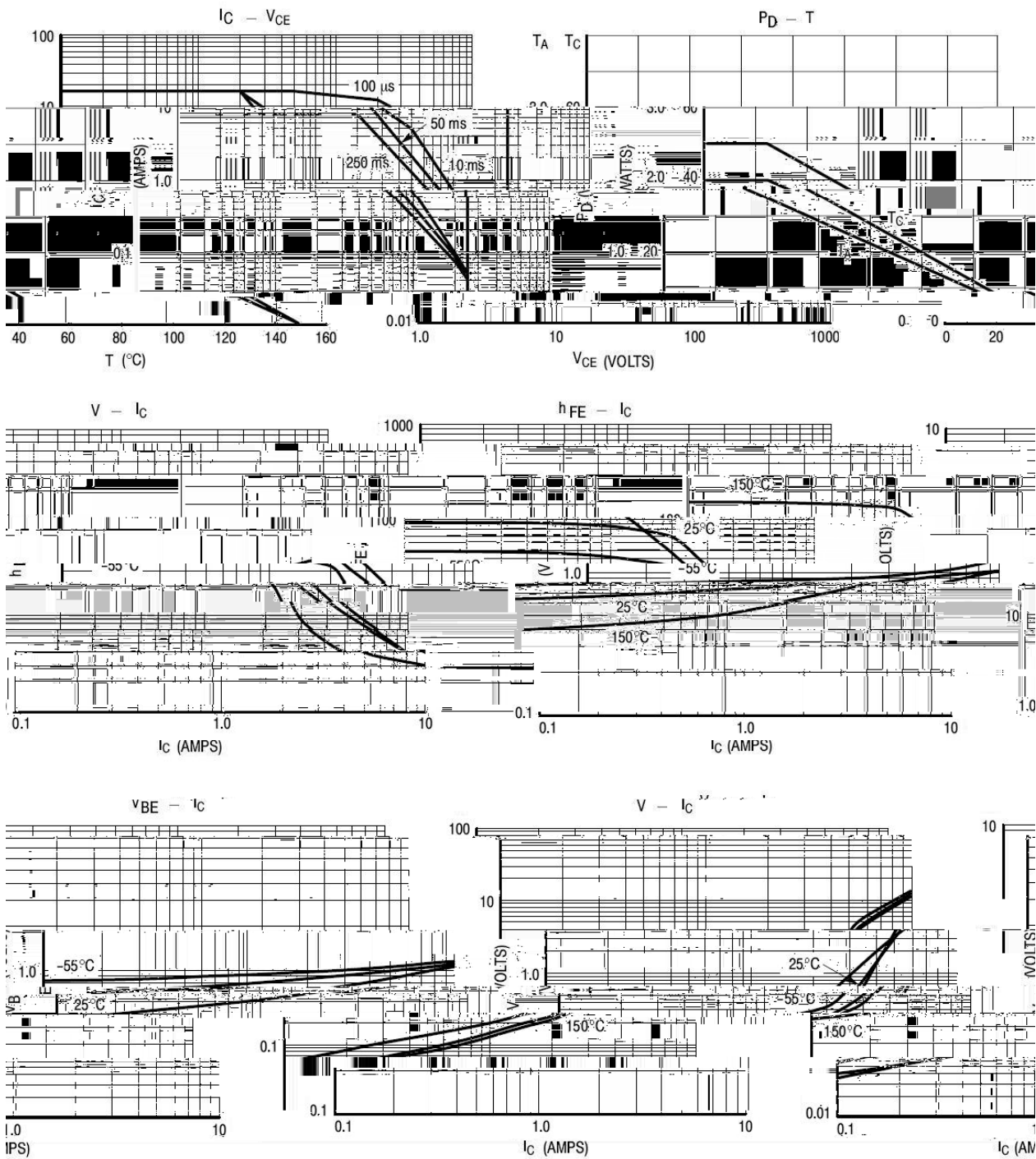
See Marking Instructions.

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 - Continuous	I_B	-2	A
Collector Power Dissipation	P_D	2	W
	$P_D(T_c=25^\circ\text{C})$	50	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-65 ~ 150	
Thermal Resistance, Junction to Case	R_{JC}	2.5	/W
Thermal Resistance, Junction to 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}	$V_{CB}=-250\text{V}$ $I_E=0$			-10	A
Emitter Cut-Off Current	I_{EBO}	$V_{BE}=-5\text{V}$ $I_C=0$			-10	A
DC Current Gain	$*h_{FE(1)}$	$V_{CE}=-5\text{V}$ $I_C=-1\text{A}$	50		200	
	$*h_{FE(2)}$	$V_{CE}=-5\text{V}$ $I_C=-0.5\text{A}$	70			
	$*h_{FE(3)}$	$V_{CE}=-5\text{V}$ $I_C=-2.0\text{A}$	10			
Collector to Emitter Saturation Voltage*	$*V_{CE(sat)}$	$I_C=-1\text{A}$ $I_B=-0.1\text{A}$			-0.5	V
Base to Emitter On Voltage*	$*V_{BE(on)}$	$V_{CE}=-5\text{V}$ $I_C=-1\text{A}$			-1	V
Transition Frequency	f_T	$V_{CE}=-10\text{V}$ $I_C=-500\text{mA}$ $f=1\text{MHz}$	30			MHz

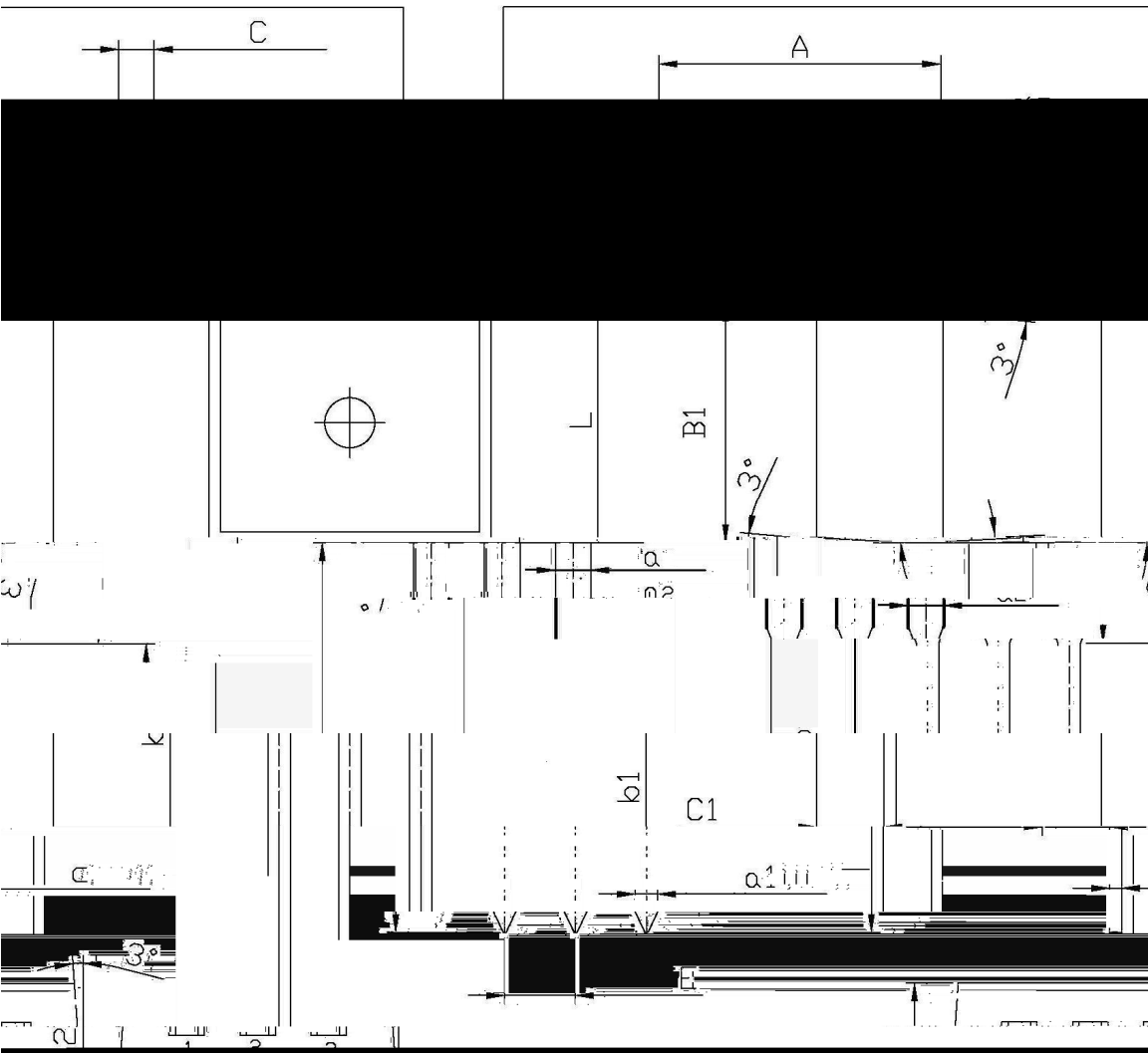
 μ

 *Pulse Test: Pulse Width 300 μ s, Duty Cycle 2%.

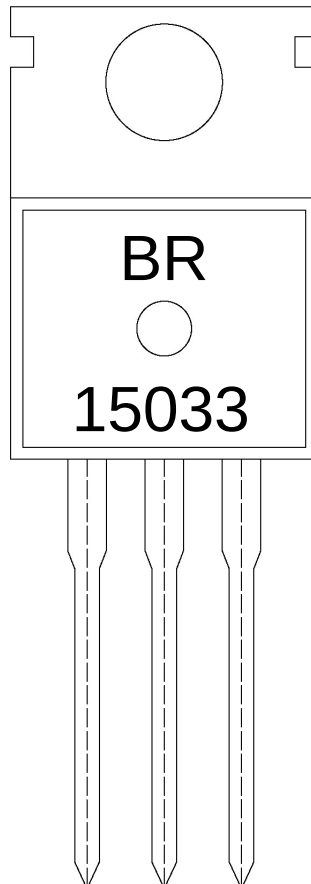


单位: mm

TO-220



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	15.7	16.1	B1	9.0	9.4
B	2.5	2.6	C	2.2	2.6
C1	1.22	1.32	a	0.4	0.6
L	0.3	0.4	b1	0.1	0.2
a1	1.25	1.45			



BR

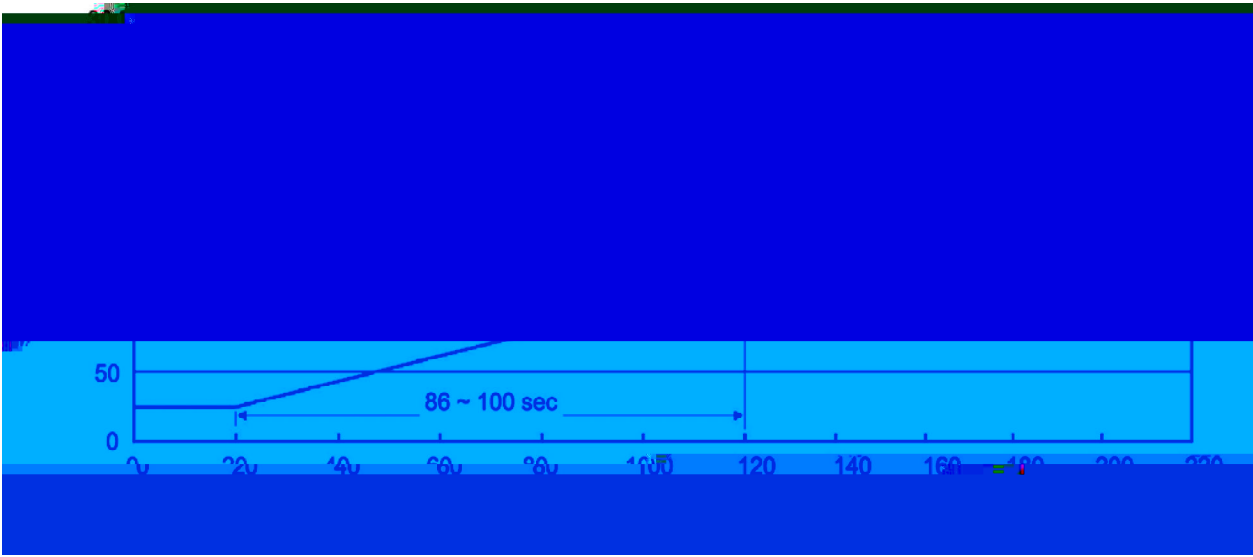
15033

Note:

BR: Company Code

15033: Product Type.

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



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.

270 5

10 1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 袋	袋 盒	只 盒	盒 箱	只 箱	袋	盒	箱

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱