

/ Descriptions

TO-220

NPN

Silicon NPN transistor in a TO-220 Plastic Package.

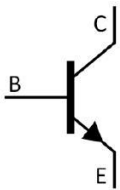
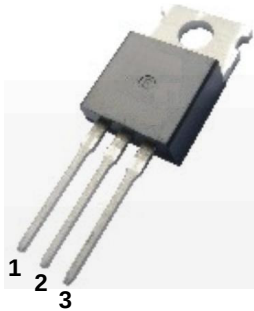
/ Features

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MJE15033

High DC current gain, High V_{CEO} , High f_T , Complementary pair with MJE15033.**/ Applications**

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

/ Equivalent Circuit**/ Pinning**

PIN1 Base

PIN 2 Collector

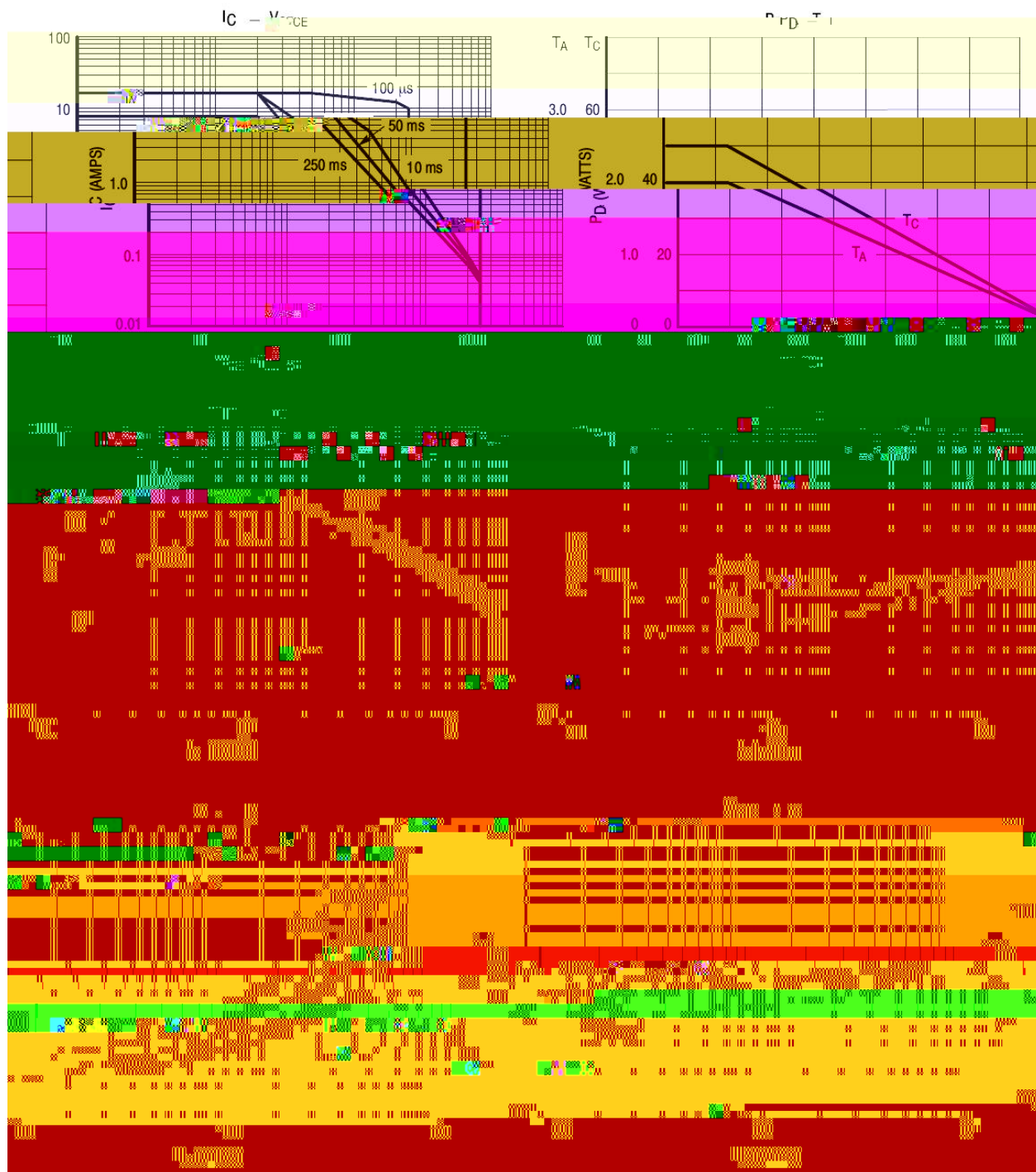
PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

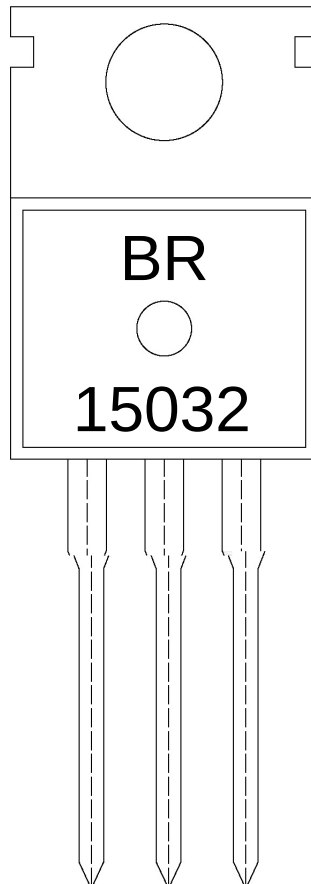
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	250	V
Collector to Emitter Voltage	V_{CEO}	250	V
Emitter to Base Voltage	V_{EBO}	5	V
Collector Current - Continuous	I_C	8	A
Base Current - Continuous	I_B	2	A
Collector Power Dissipation	P_D	2	W
	$P_D(T_C=25^\circ\text{C})$	50	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-65 150	
Thermal Resistance, Junction to Case	$R_{\theta JC}$	2.5	/W

/ Electrical Characteristic Curve



	Symbol	Dimensions in millimeters		Symbol	Dimensions in millimeters		
		Min	Max		Min	Max	
		A	9.8	10.2	C	1.2	1.4
		R	3.56	3.64	R	6.3	6.7
		B	9.0	9.4		L	15.7
		L	12.6	13.6		G	8.1
		G	2.2	2.6		H	6

/ Marking Instructions



BR

15032

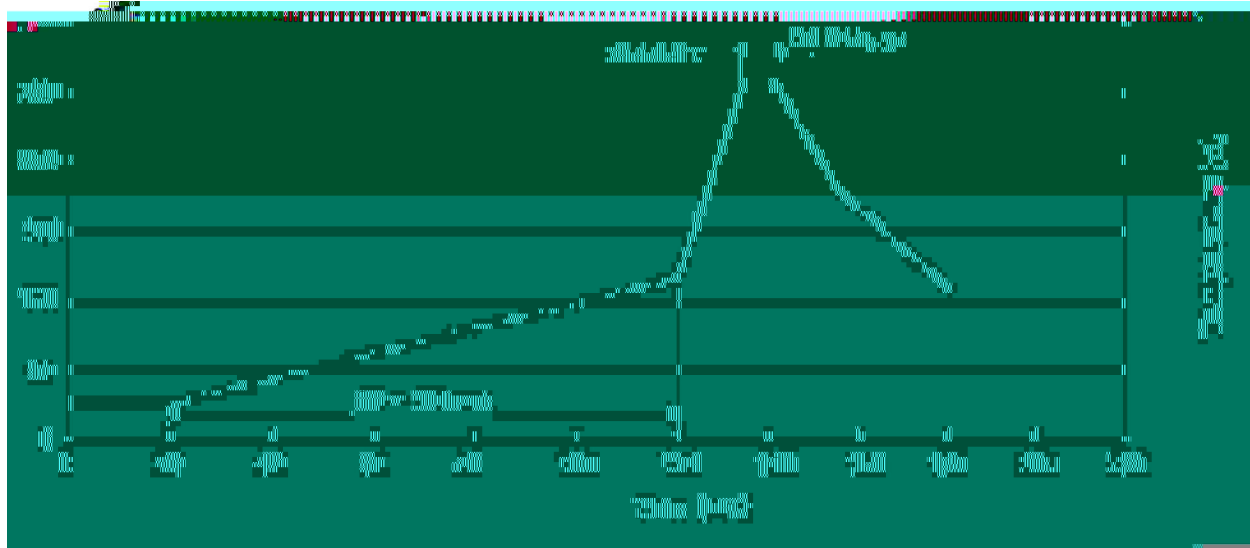
Note:

BR: Company Code

15032: 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