/ Descriptions

TO-252 NPN Silicon NPN transistor in a TO-252 Plastic Package.

/ Features

BV_{CEO} > 100V;

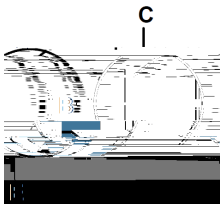
I_C = 3A high Continuous Collector Current;

I_{CM} = 5A Peak Pulse Current;

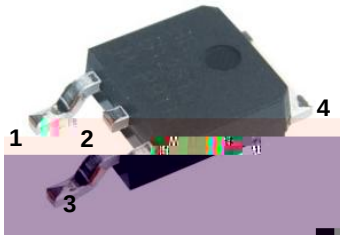
/ Applications

Power Switching or Amplification Applications

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 4 Collector PIN 3 Emitter

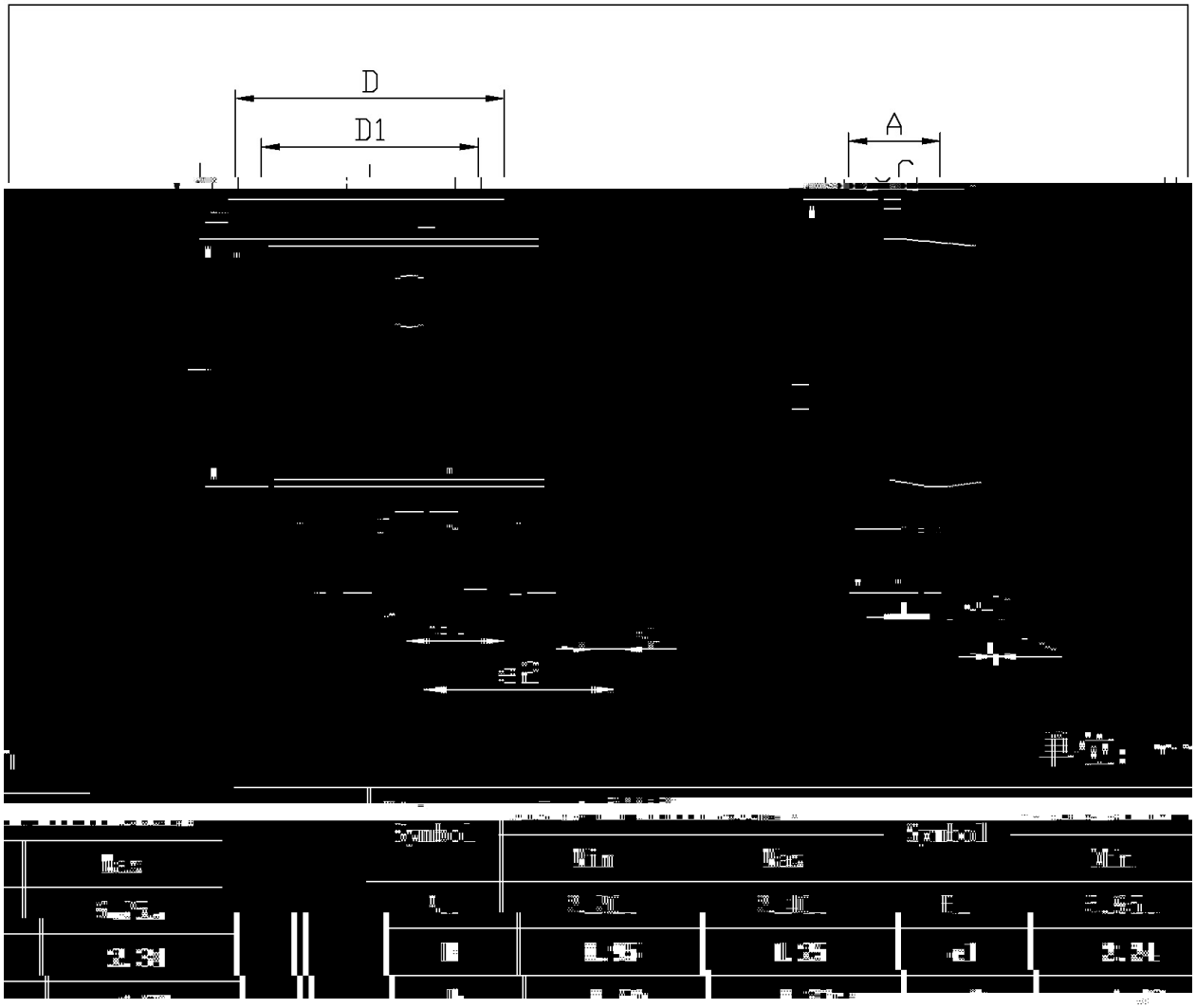
/ h_{FE} Classifications & Marking

See Marking Instructions.

BRMJD31CDP

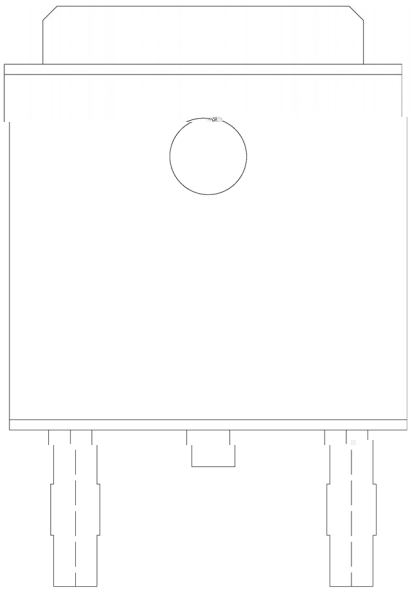
BRMJD31CDP

/ Package Dimensions



Symbol	Min	Max	Symbol	Min
L	3.3	3.7	E	2.65
b	1.5	1.35	e1	2.54

/ Marking Instructions



BR

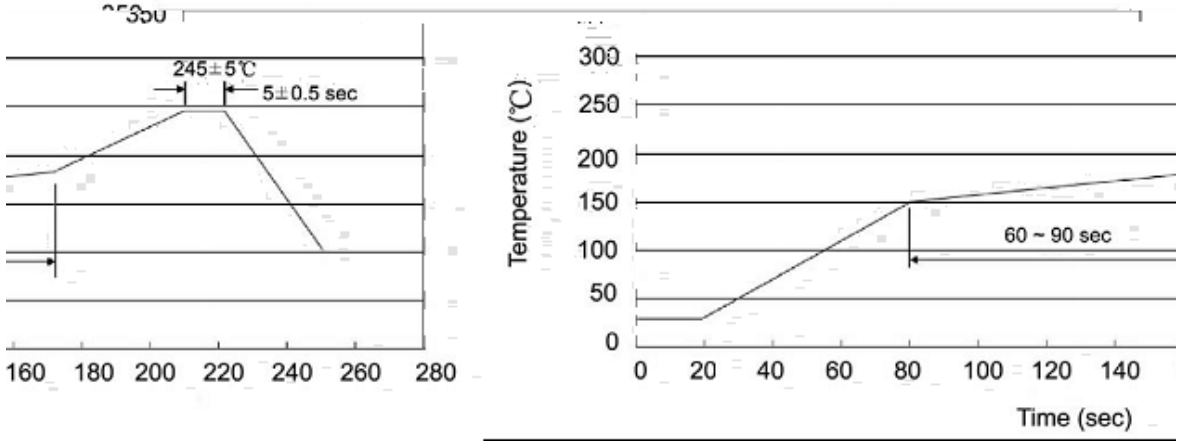
MJD31C

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Note:

BR:

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



					Note:	
1		150	180	60 90sec;	1.Preheating:150~180	, Time:60~90sec.
2		245±5		5±0.5sec;	2.Peak Temp.:245±5	