

**/ Descriptions**

Silicon PNP transistor in a TO-252 Plastic Package.

**/ Features**

Low  $V_{CE(sat)}$ , excellent DC current gain characteristics, complements the 2SD2118.

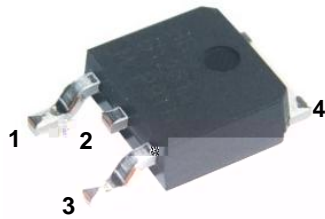
**/ Applications**

Medium power amplifier applications.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base      PIN 2,4 Collector      PIN 3 Emitter

**/  $h_{FE}$  Classifications & Marking**

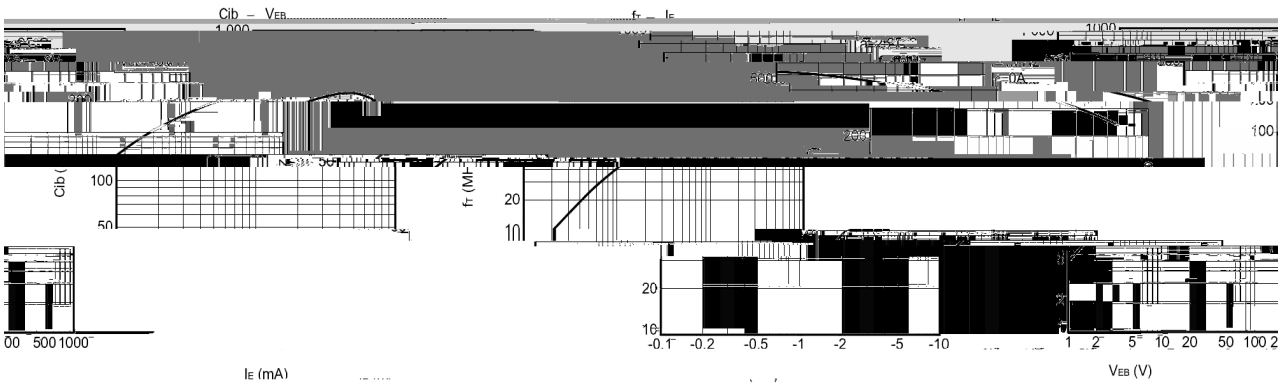
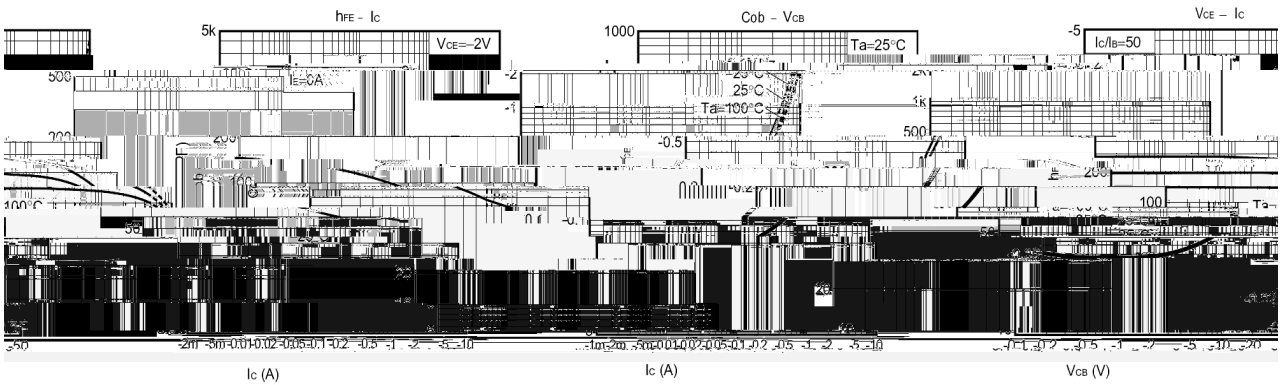
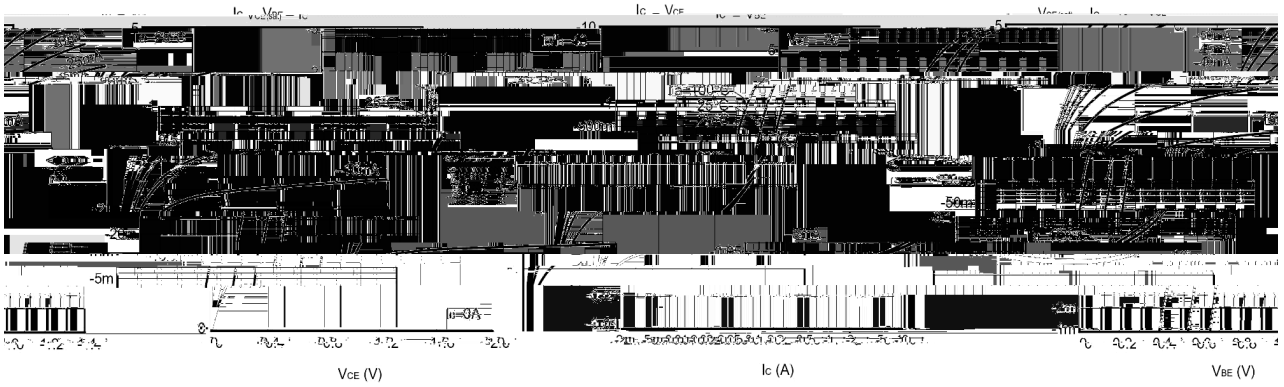
$h_{FE}$ Classifications Symbol	P	Q	R
$h_{FE}$ Range	82 180	120 270	180 390

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-30	V
Collector to Emitter Voltage	$V_{CEO}$	-20	V
Emitter to Base Voltage	$V_{EBO}$	-6.0	V
Collector Current - Continuous	$I_C$	-5	A
Peak Collector Current – Continuous	$I_{CM}$	-10	A
Collector Power Dissipation	$P_C$	1.0	W
Collector Power Dissipation*	$*P_C(T_C=25 \text{ }^\circ\text{C})$	10	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

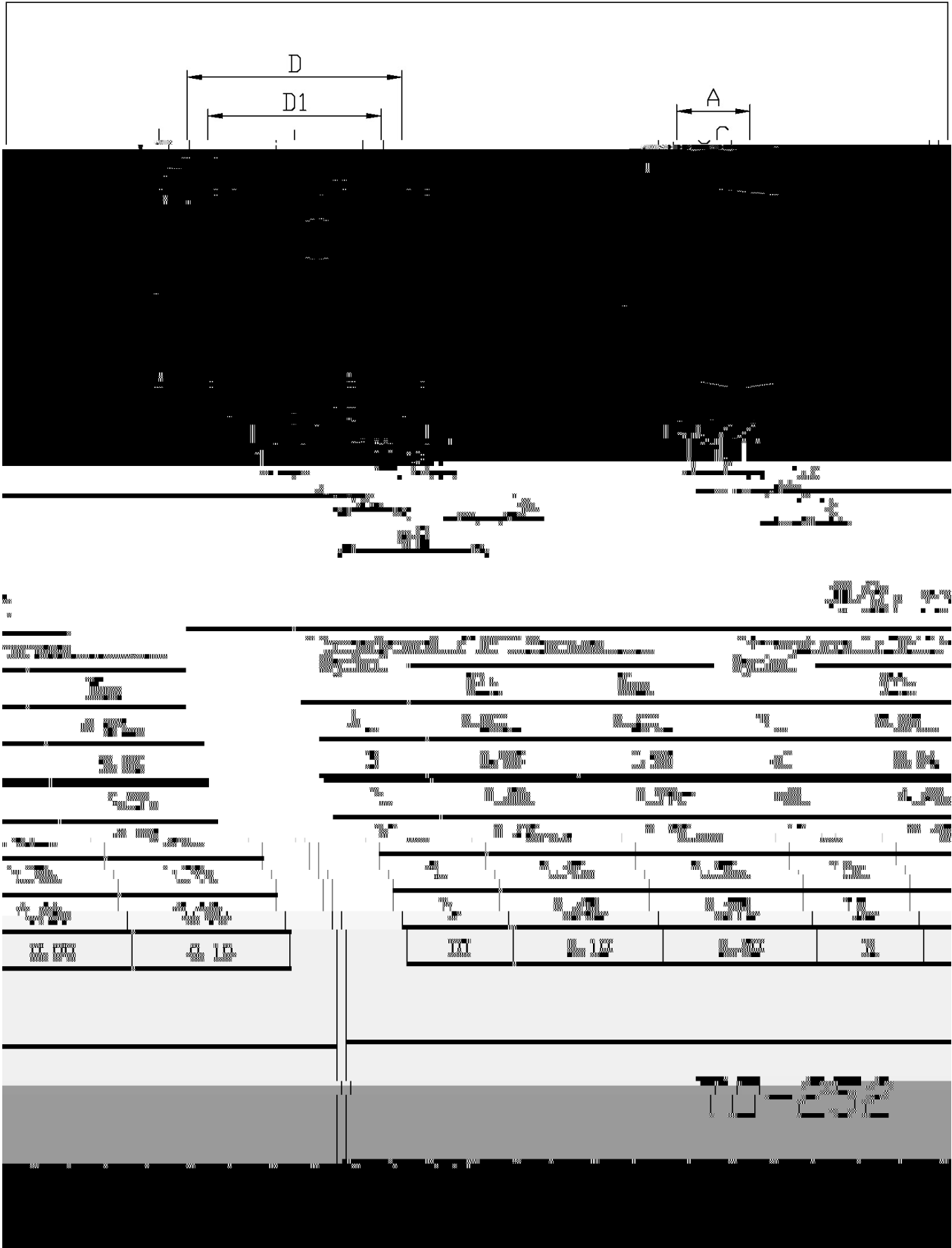
\*mounted On40×40×0.7mm ceramic board.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C=-50\mu A$ $I_E=0$	-30			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=-1.0mA$ $I_B=0$	-20			V

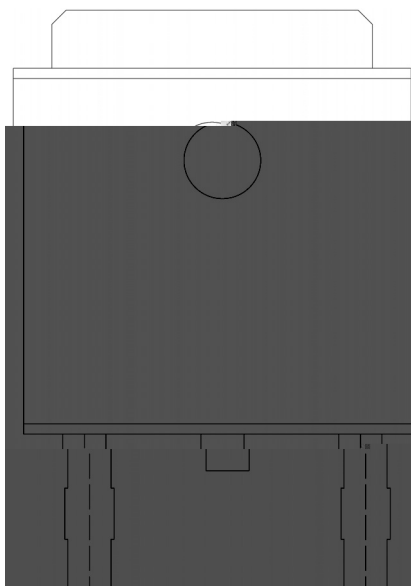
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



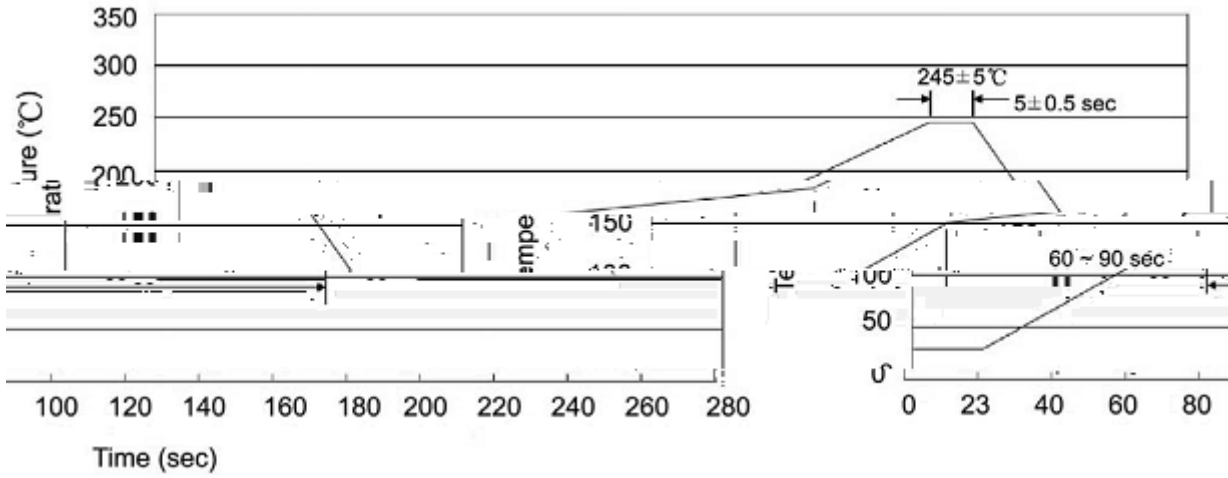
BR

$h_{FE}$

Note:

BR: Company C (No. Aking 174D (IP:4.327372D0 Tc041e04b80556)Tj0941Tj/TTD( T

( ) /



Note:

- |   |     |     |    |          |   |
|---|-----|-----|----|----------|---|
| 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                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
TO-252	2,500	2	5,000	5	25,000	13	×16	