

/ Descriptions

Silicon NPN transistor in a TO-92 Plastic Package.

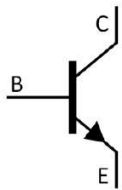
/ Features

Large current capacity and wide ASO

/ Applications

Small signal general purpose amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ hFE Classifications & Marking

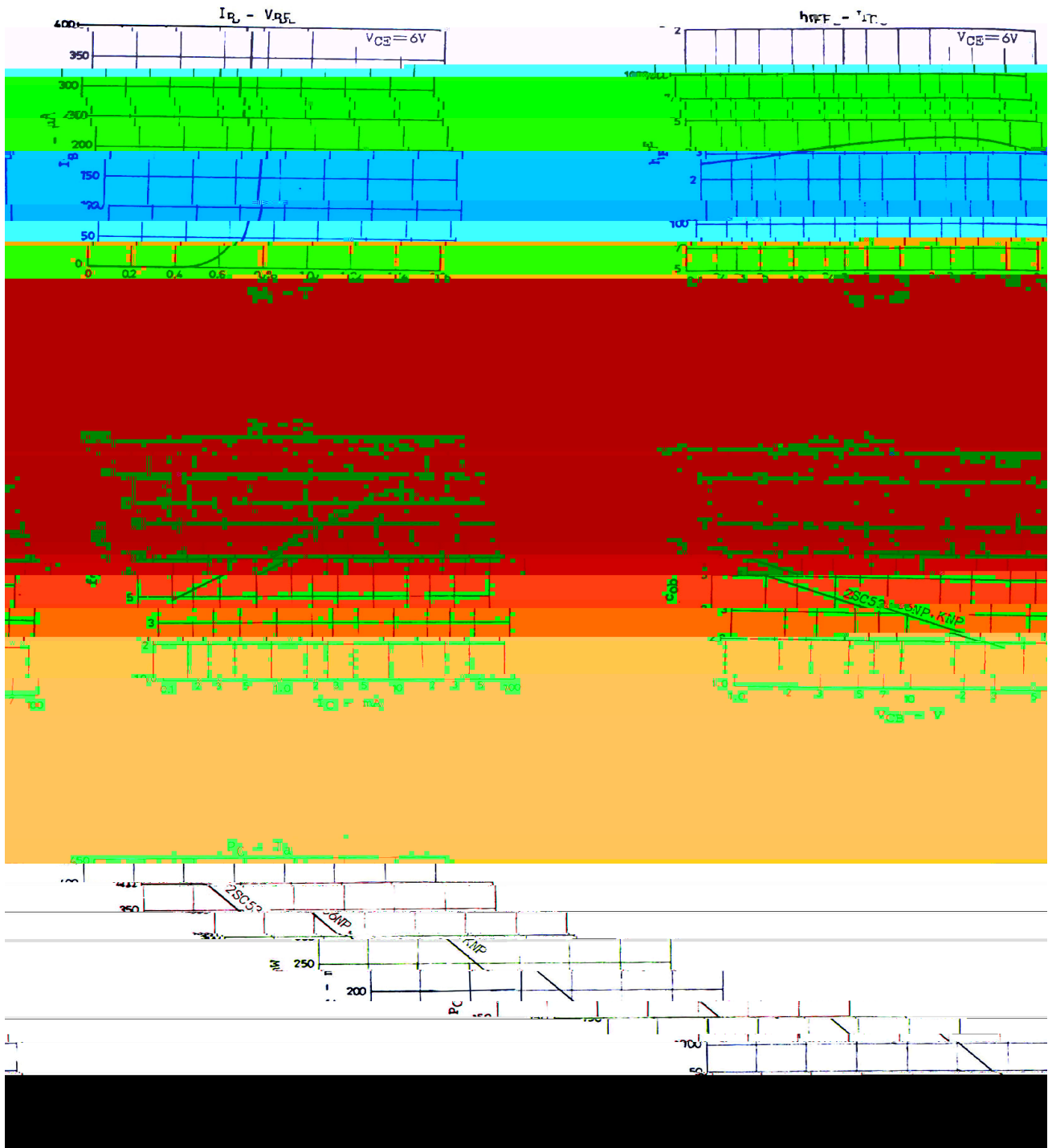
h _{FE} Classifications Symbol	D	E	F	G	H
h _{FE} Range	60~120	100~200	160~320	280~560	480~960

Unit
V
V
V
mA
mA
mW

Unit
μA
μA

DC Current Gain	h_{FE}	$V_{CE}=6.0V$	$I_C=1.0mA$	60		960	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=50mA$	IV				

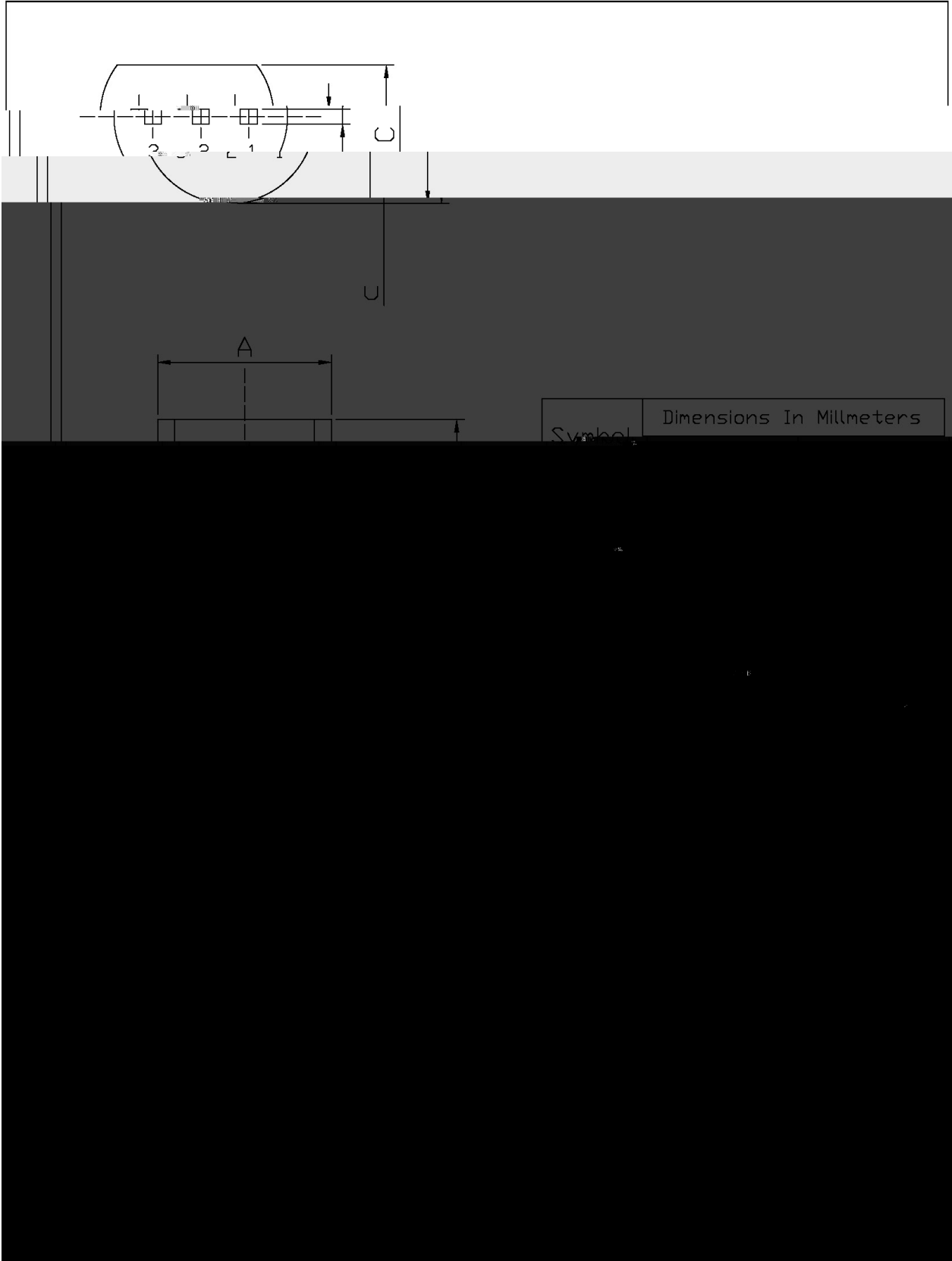
/ Electrical Characteristic Curve



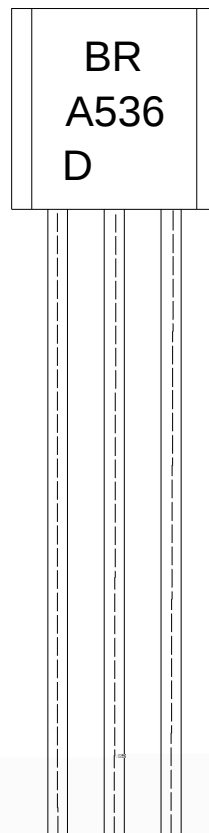
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



Note:

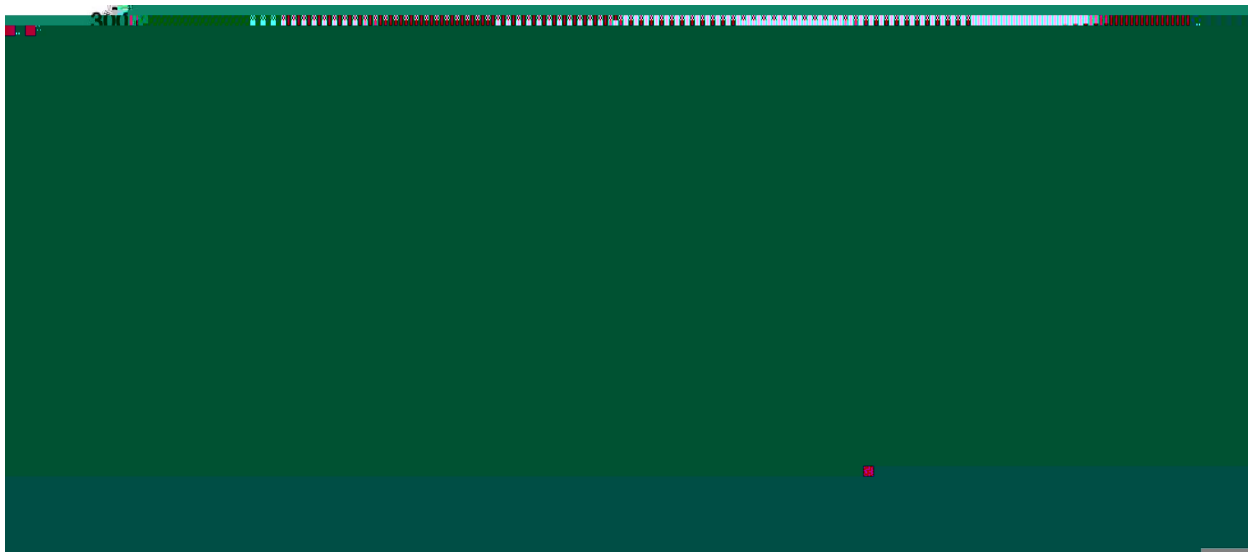
BR: Company Code.

A536: Product Type.

D: h_{FE} Classifications Symbol

***: 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 , 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. |

/ Resistance to Soldering Heat Test Conditions

270 5 10 1 sec. Temp:270±5 Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension		(unit mm3)

/ AMMO

Package Type	Units					Dimension		(unit mm3)

/ Notices