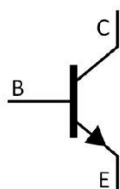


**9014**  
Rev.E Mar.-2016

TO-92          NPN          Silicon NPN transistor in a TO-92 Plastic Package.

$P_C$ ,  $h_{FE}$  , 9015  
High  $P_C$  and  $h_{FE}$  excellent  $h_{FE}$  linearity, complementary pair with 9015.

Low frequency, low noise amplifier.

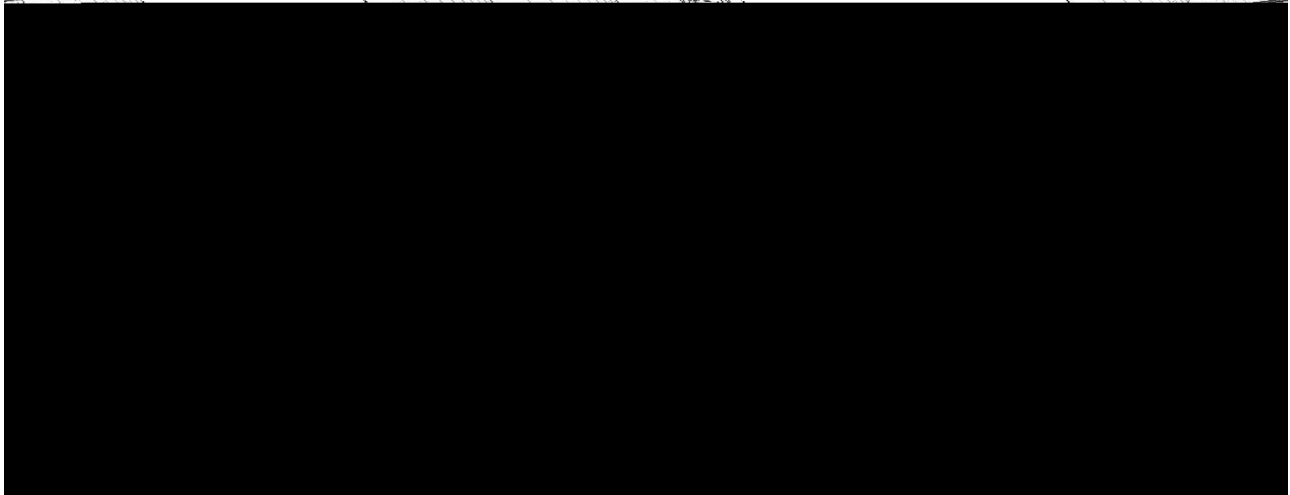
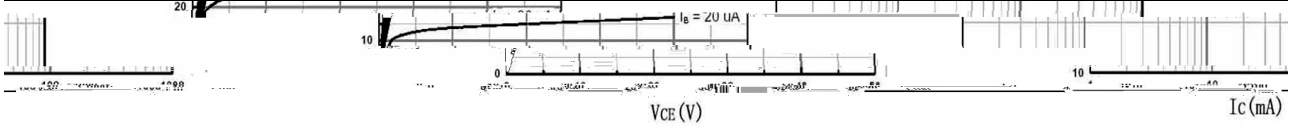
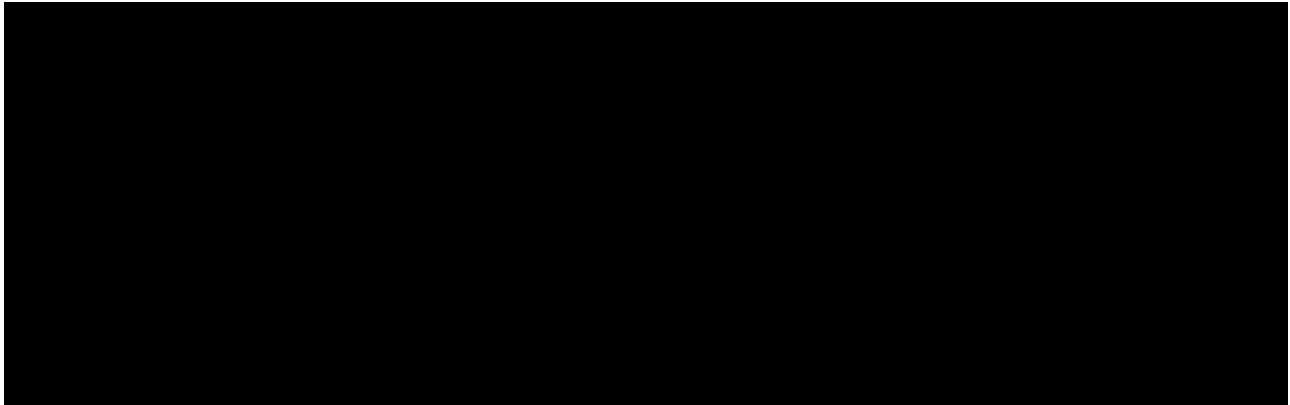


PIN1   Collector          PIN 2   Base          PIN 3   Emitter

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	50	V
Collector to Emitter Voltage	$V_{CEO}$	45	V
Emitter to Base Voltage	$V_{EBO}$	5.0	V
Collector Current - Continuous	$I_C$	100	mA
Collector Power Dissipation	$P_C$	450	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C=0.1mA$ $I_E=0$	50			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=1.0mA$ $I_B=0$	45			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E=0.1mA$				

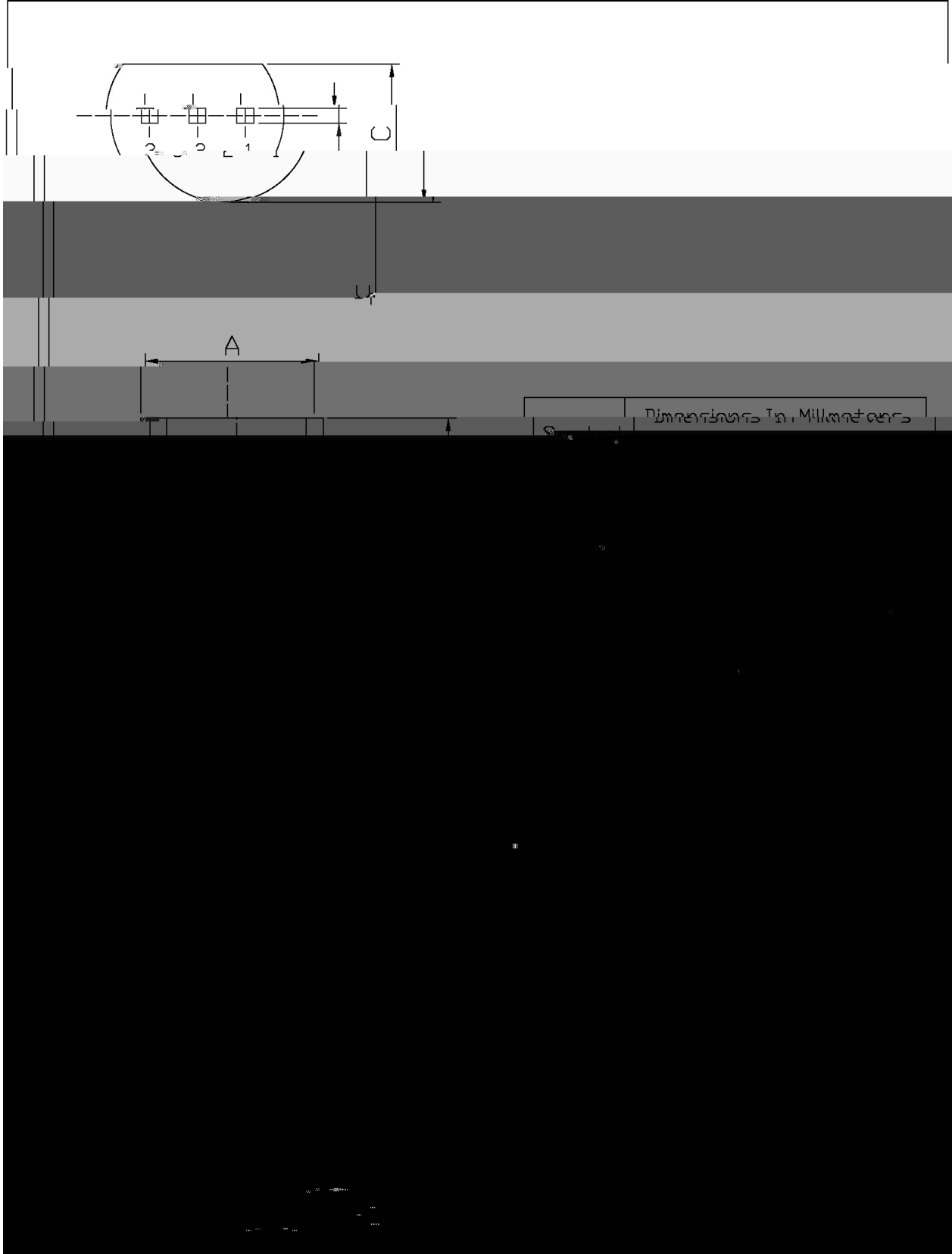
/ Electrical Characteristic Curve



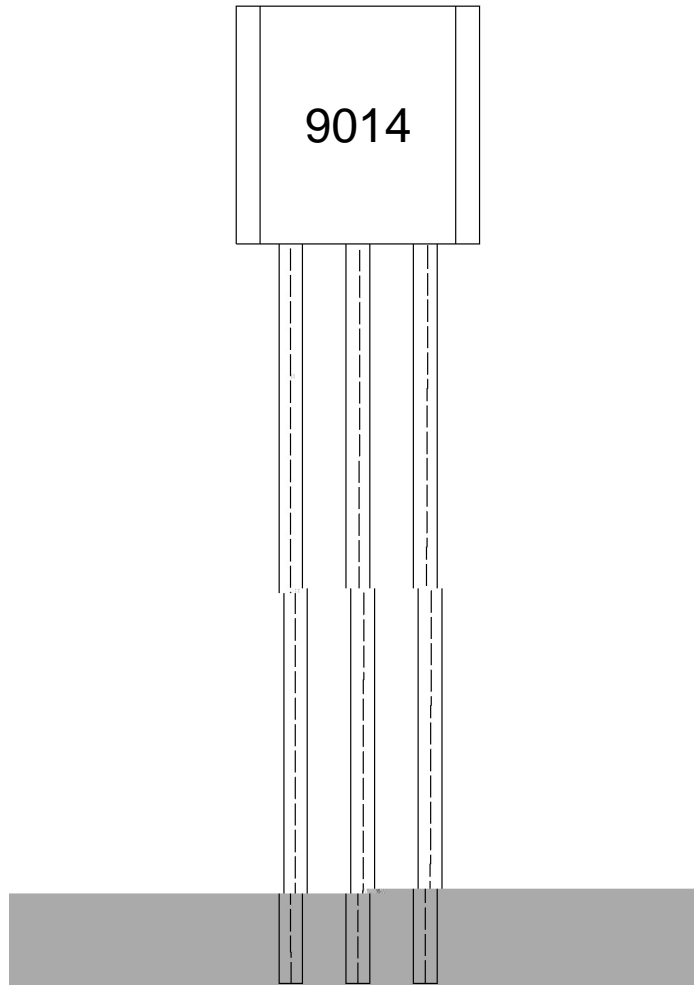
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



BR

9014

A:  $h_{FE}$

\*\*\*\*

Note:

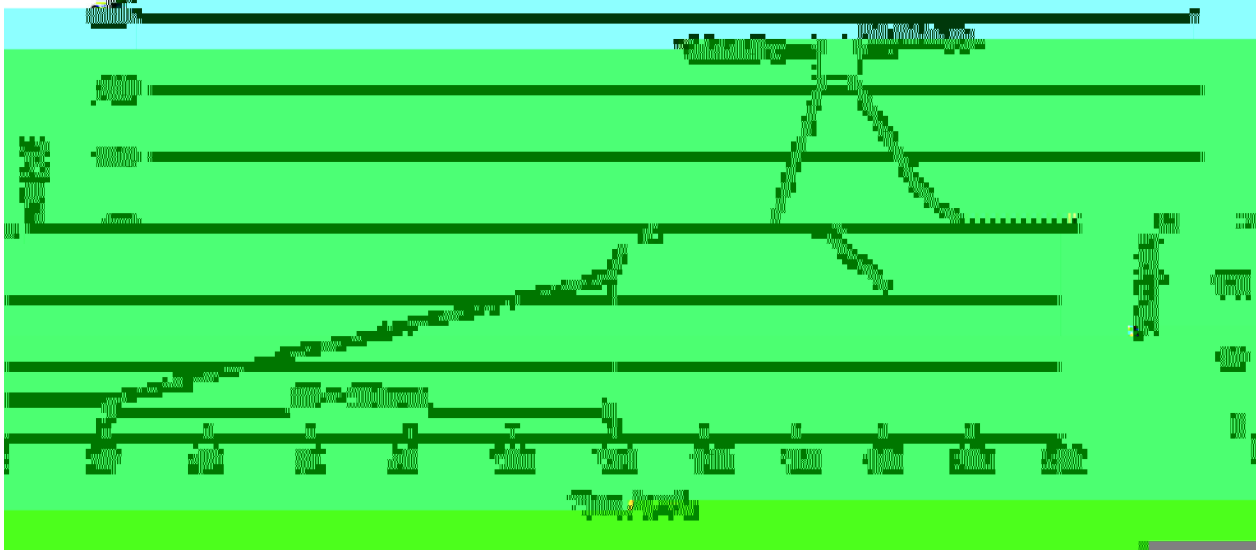
BR: Company Code.

9014: Product Type.

A:  $h_{FE}$  Classifications Symbol.

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

( ) / Temperature Profile for Dip Soldering(Pb-Free)



- |   |       |     |           |        |   |                                      |
|---|-------|-----|-----------|--------|---|--------------------------------------|
| 1 | 25    | 150 | 60        | 90sec; | Note:                                   | 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 mm <sup>3</sup> )

/ AMMO

Package Type	Units				Dimension		(unit mm <sup>3</sup> )

/ Notices