

/ Descriptions

Silicon NPN transistor in a TO-92(R) Plastic Package.

/ Features

High voltage, high current, excellent h_{FE} linearity, low noise, complementary to ED1602.

/ Applications

Audio frequency amplifier, driver stage amplifier applications.

/ Equivalent Circuit



/ Pinning



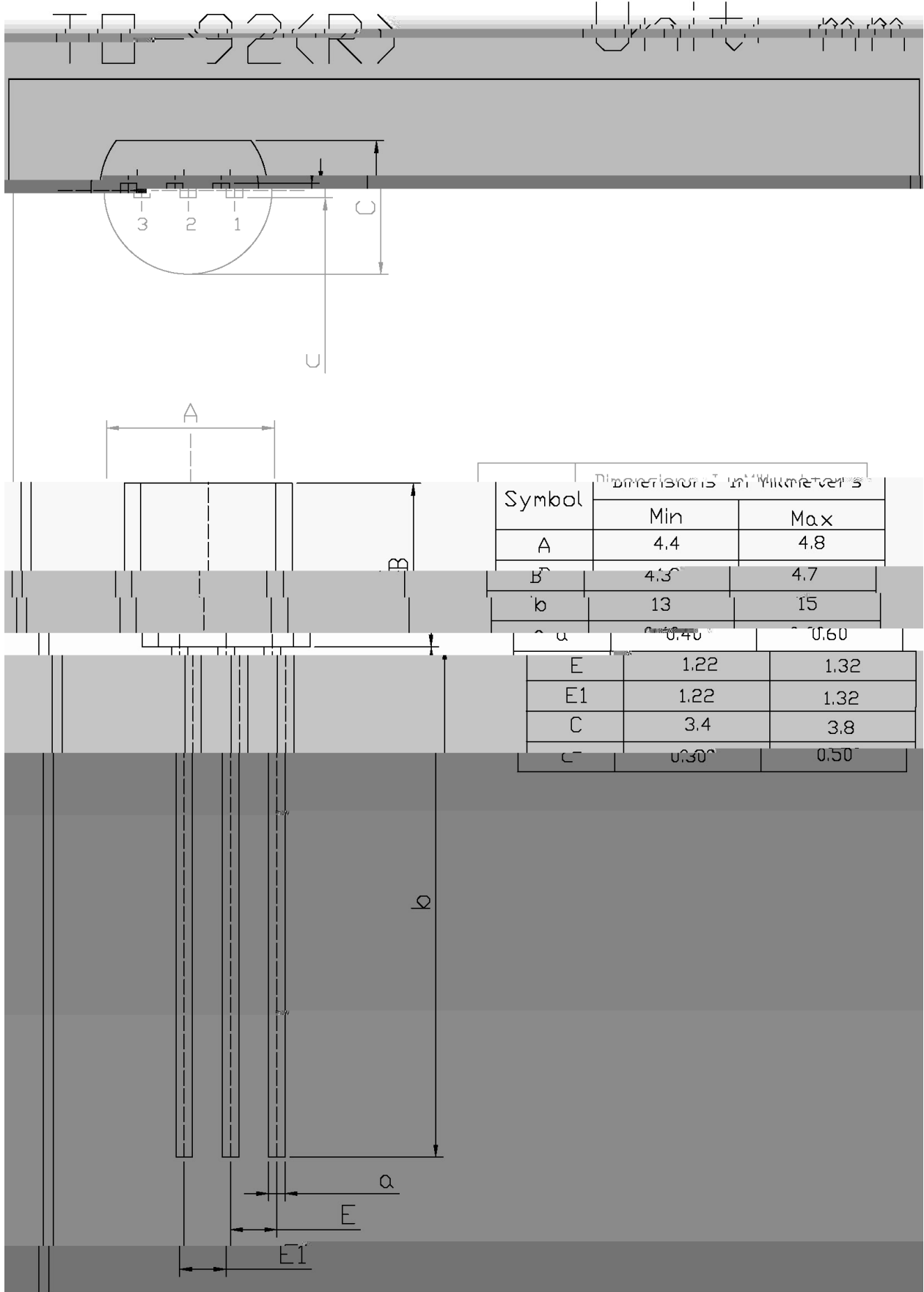
PIN1 Emitter PIN 2 Base PIN 3 Collector

/ h_{FE} Classifications & Marking

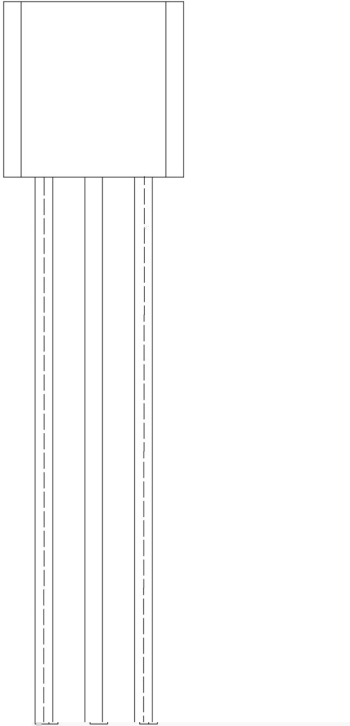
h_{FE} Classifications Symbol	A	B	C	D	E
h_{FE} Range	110 165	150 225	202		

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	28	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	200	mA
Base Current - Continuous	I_B	200	mA
Collector Power Dissipation	P_c	500	mW
Junction Temperature	T_j	150	

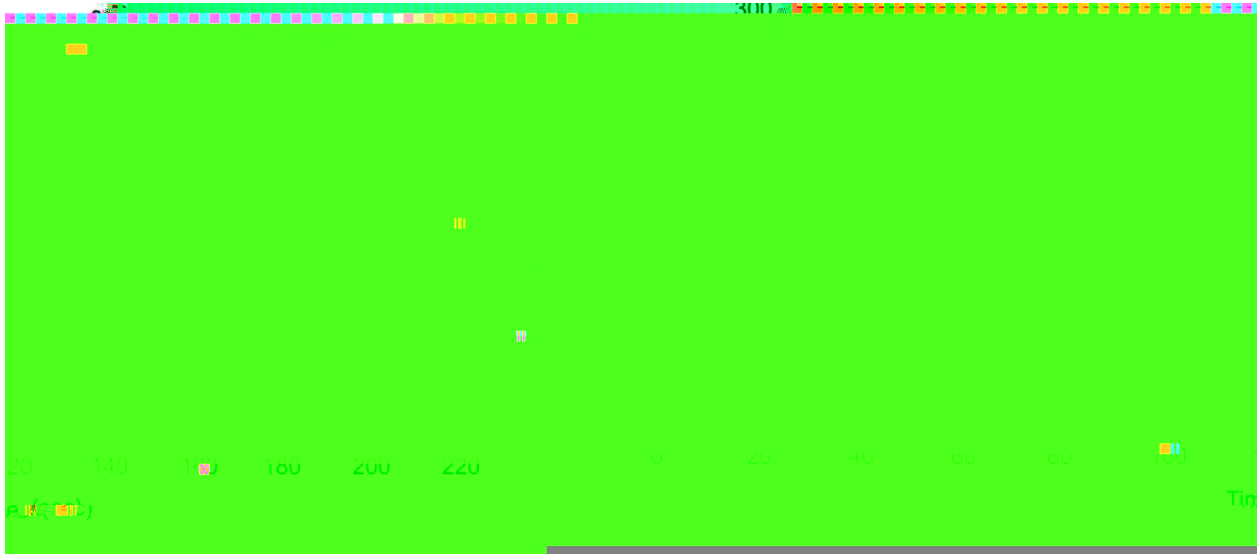
/ Package Dimensions



/ Marking Instructions



() / 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