

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

f_T

High f_T , low output capacitance, low base time constant and high gain, excellent noise characteristics.

FM radio RF amplifier applications.



PIN1

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=10\text{ A}$	25			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=1.0\text{mA}$	20			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=10\text{ A}$	4.0			V

2 / 6

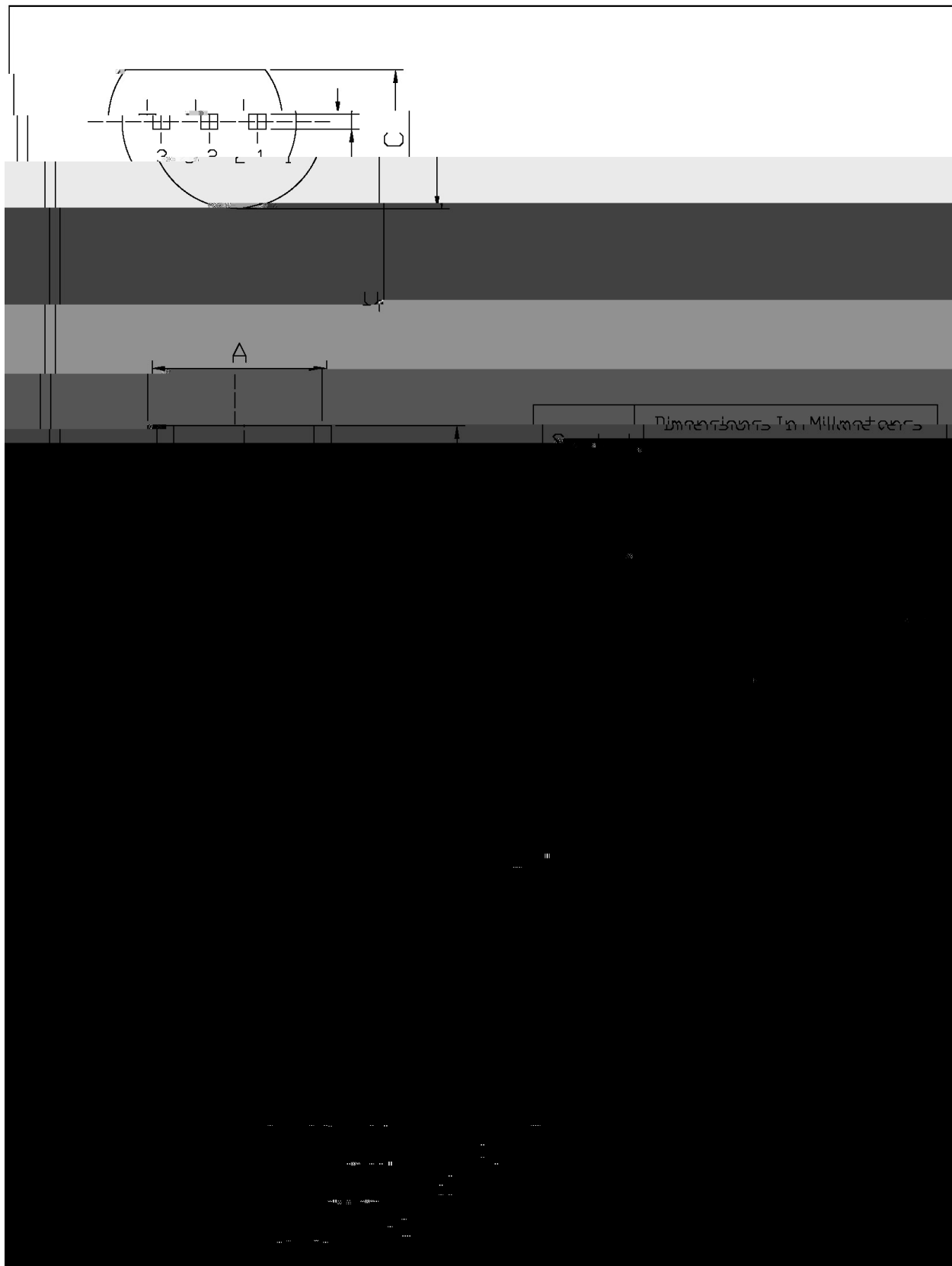
/ Electrical Characteristic Curve



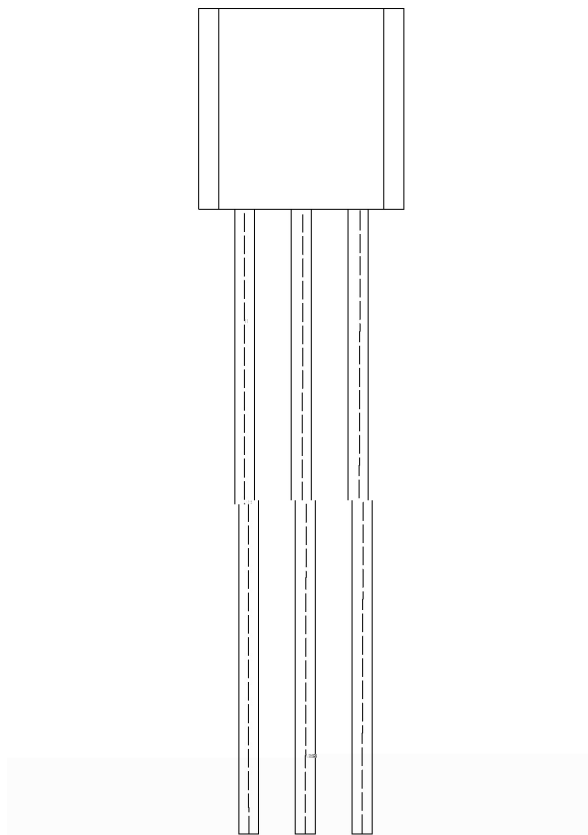
/ Package Dimensions

TO-92

Unit: mm

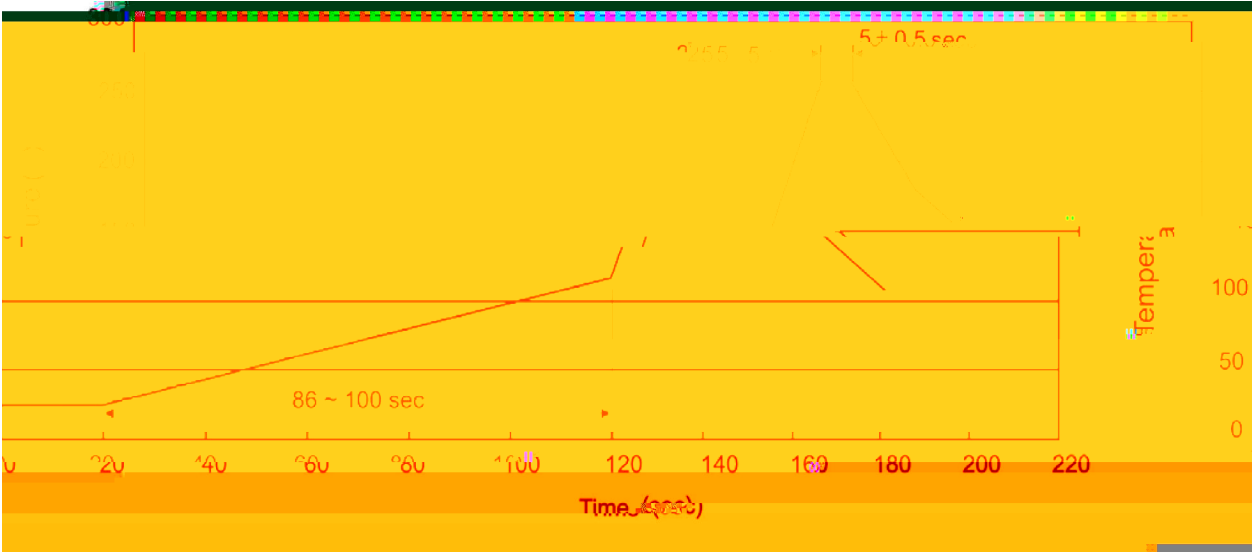


/ Marking Instructions



BR:

() / 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
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/ Packaging SPEC.

/ BULK

Package Type 封装形式	Units 包装数量	Dimension 包装尺寸 (unit: mm3)
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