

/ Descriptions

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

/ Features

Small noise figure, high power gain, high f_T .

/ Applications

UHF low-noise amplifiers, wide-band amplifiers.

/ Equivalent Circuit



/ Pinning



PIN1 Collector PIN 2 Emitter PIN 3 Base

/ hFE Classifications & Marking

h_{FE} Classifications Symbol	C	D	E
h_{FE} Range	40~80	60~120	100~200

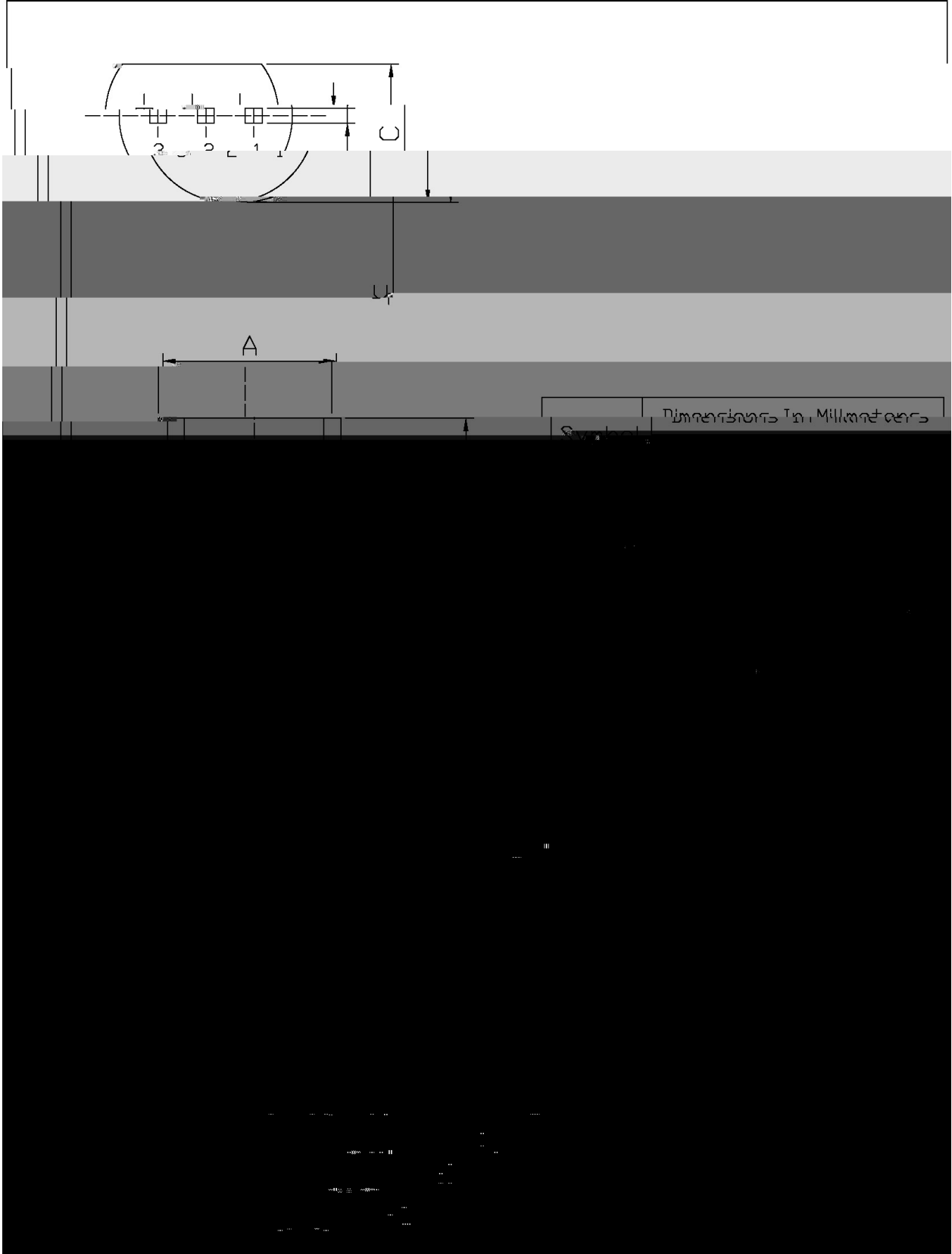
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	20	V
Collector to Emitter Voltage	V_{CEO}	12	V
Emitter to Base Voltage	V_{EBO}	3.0	V
Collector Current - Continuous	I_C	100	mA
Base Current - Continuous	I_B	40	mA
Collector Power Dissipation	P_C	600	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

2SC3779

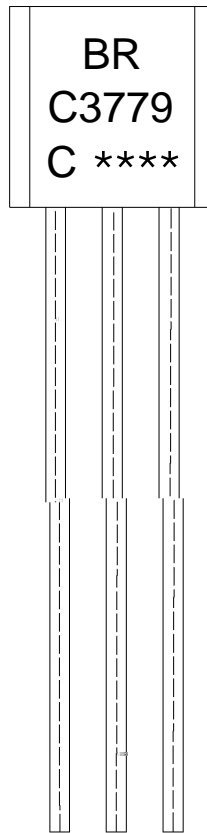
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR:

C3779

C: h_{FE}

Note:

BR: Company Code.

C3779: Product Type.

C: 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)
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