

/ Descriptions

TR095+R, QSQ Silicon NPN transistor in a TO-92(R) Plastic Package.

/ Features

f_T

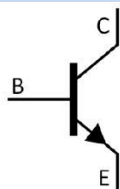
Small reverse transfer capacitance, low noise figure.

/ Applications

/

High frequency amplifier applications, FM,RF,MIX,IF amplifier applications.

/ Equivalent Circuit



/ Pinning



23
PIN1 Emitter PIN 2 Base PIN 3 Collector

/ h_{FE} Classifications & Marking

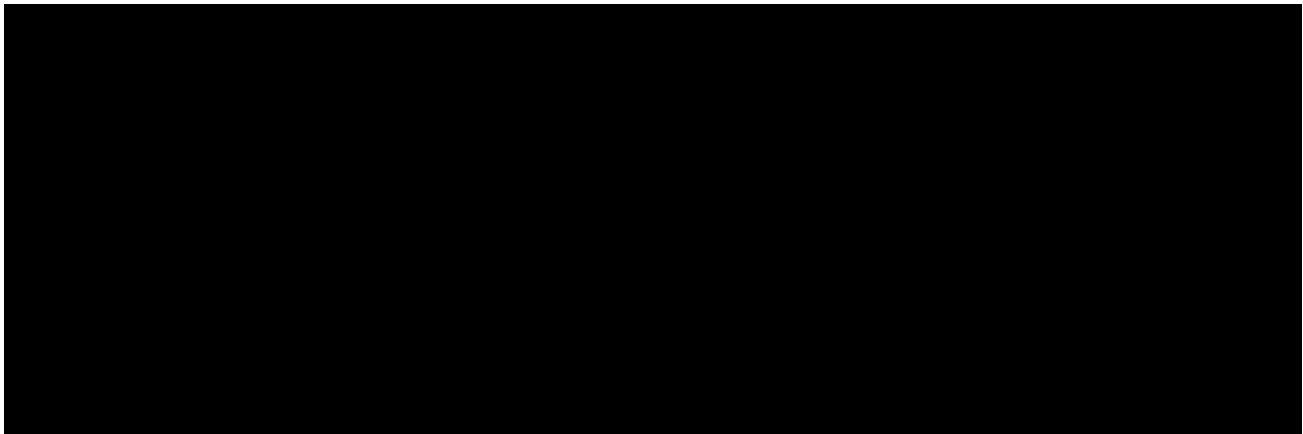
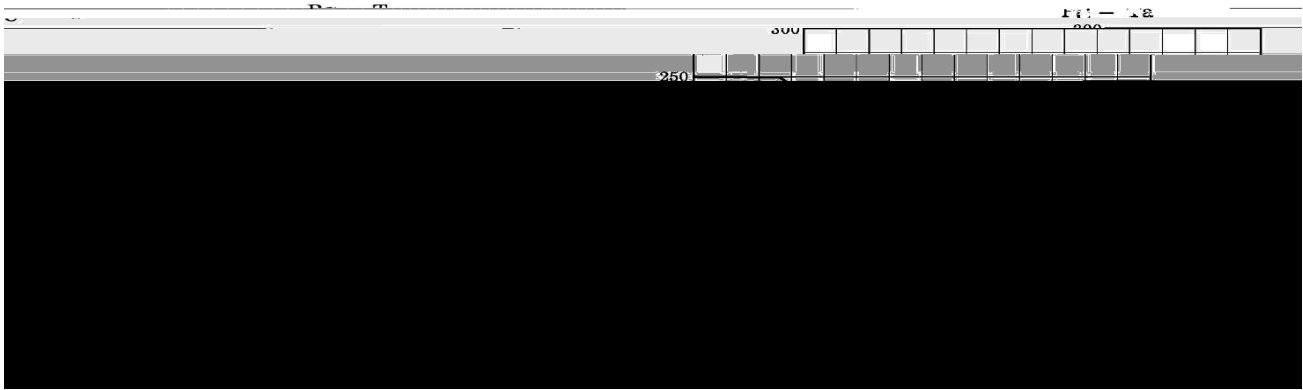
h_{FE} Classifications Symbol	A	B	C	D	E
h_{FE} Range	36 55	48 75	66 100	84 127	105 210

Parameter	<div>N</div> <div>Symbol</div>	Rating	<div>H</div> <div>Unit</div>
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	30	V
Emitter to Base Voltage	V_{EBO}	4.0	V
Collector Current - Continuous	I_C	30	mA
Emitter Current - Continuous	I_E	-30	mA
Collector Power Dissipation	P_c	250	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

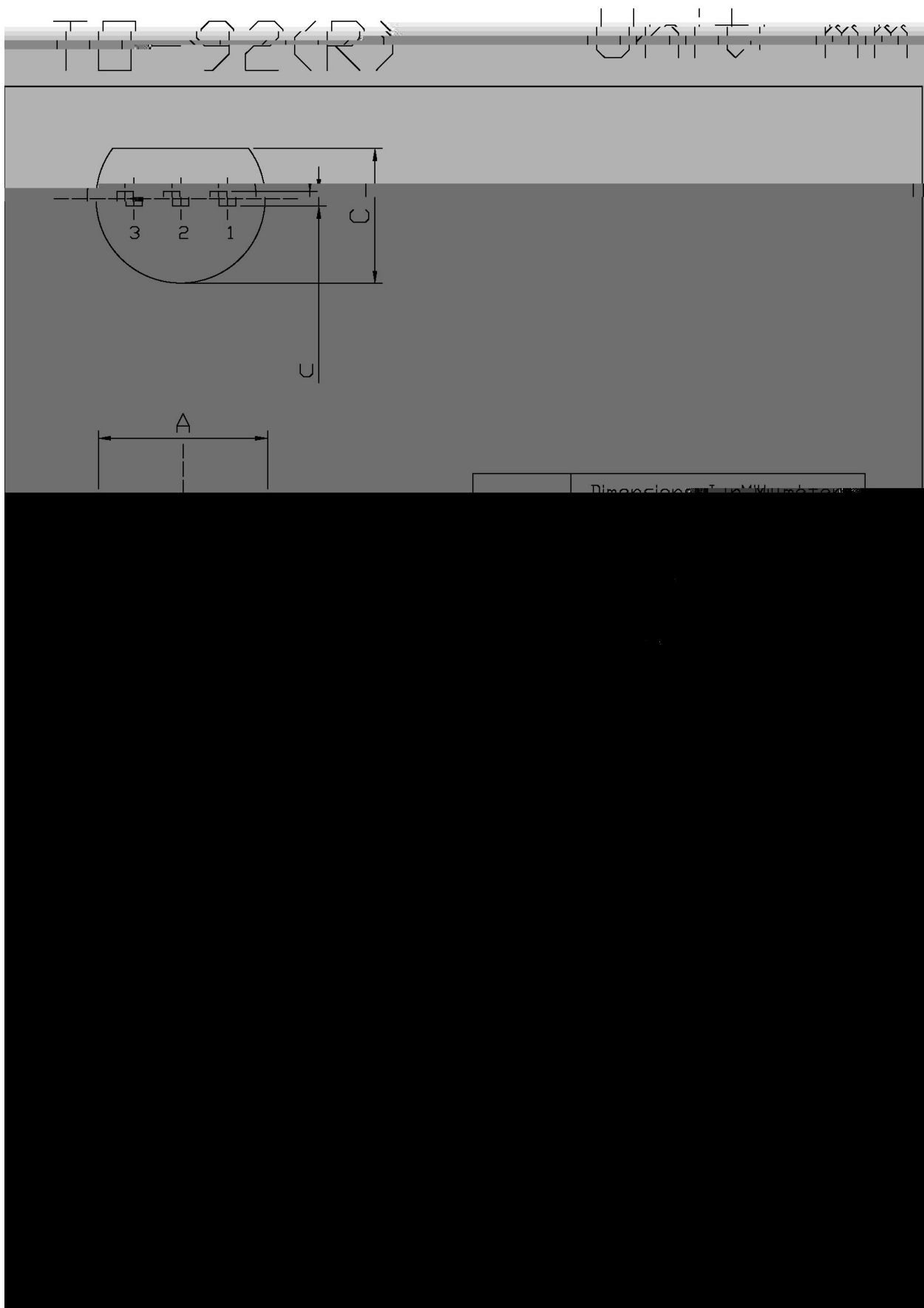
/ Electrical Characteristics(Ta=25)

N

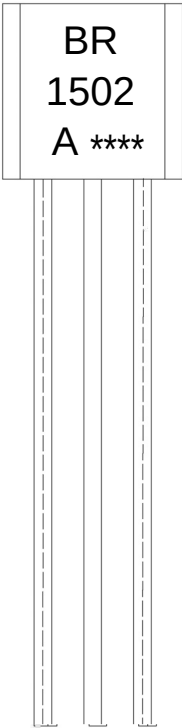
/ Electrical Characteristic Curve



/ Package Dimensions

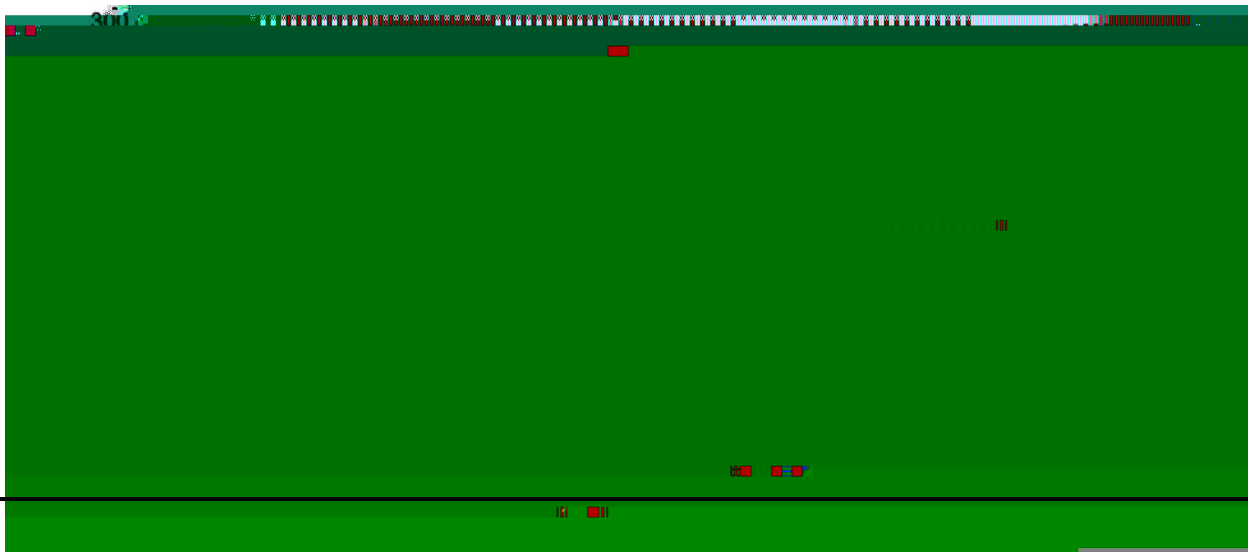


/ Marking Instructions



ER	И		
4535	N		
D	h_{IH}		
----	N	N	
Note:			
BR:	Company Code.		
1502:	Product Type.		
A	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)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

/ AMMO

Package Type	Units					Dimension (unit mm3)	
	Units/tape /	Tape/Inner Box /	Rows/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Inner Box	Outer Box
TO-92	3,000	1	120	10	30,000	328×230×42	480×346×235 547×407×268