/ Descriptions

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

/ Features

/H,

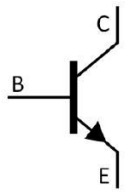
Small reverse transfer capacitance, low noise figure.

/ Applications

/

High frequency amplifier applications, FM,RF,MIX,IF 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	36 55	48 75	66 100	84 127	105 210

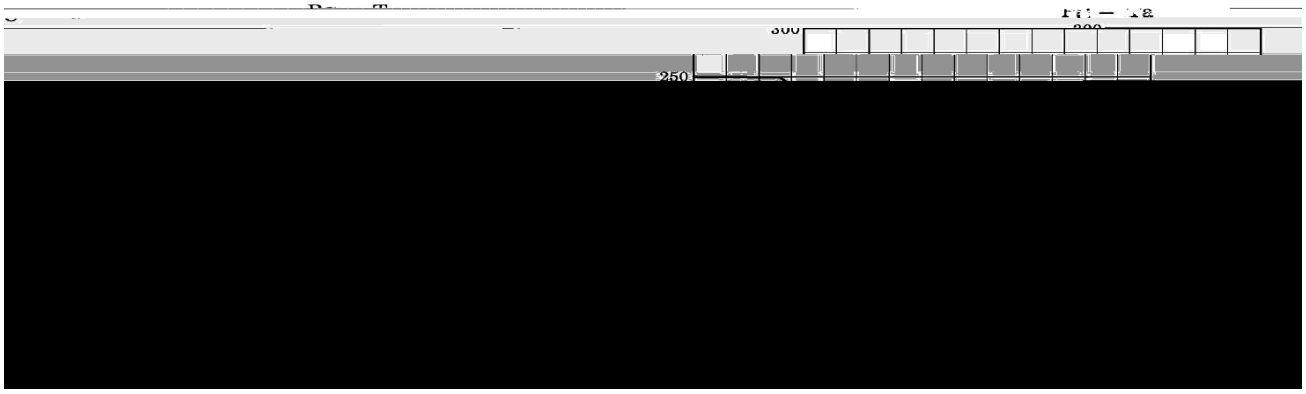
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	30	V
Emitter to Base Voltage	V_{EBO}	4.0	V
Collector Current - Continuous	I_C	30	mA
Emitter Current - Continuous	I_E	-30	mA
Collector Power Dissipation	P_c	250	mW
Junction Temperature	T_j	150	
Storage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

/ Electrical Characteristics(Ta=25)

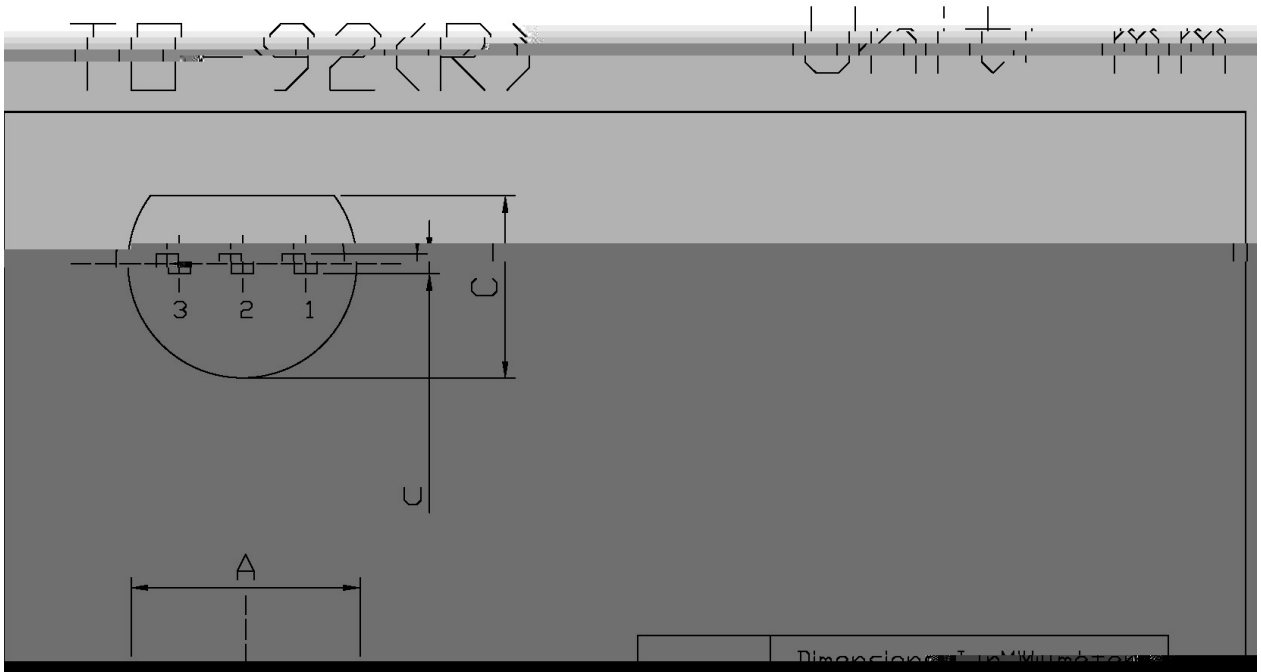
N

3 20.6684.6840 1962 517.76 30 1 T8 20.4342.6840 1962 517.76 30 1 T8 20.5044.6840 1962 517.76 30 1 T8 20.46 r3840 1962 517.76 30 1 T8 20.5044.6840 1962 5

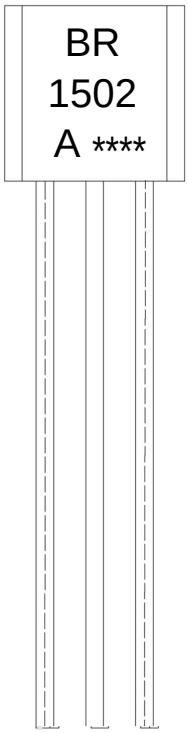
/ Electrical Characteristic Curve



/ 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