

/ Descriptions

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

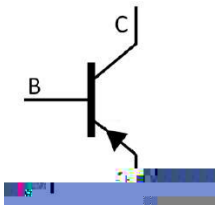
/ Features

$V_{CE(sat)}$, h_{FE}
Low saturation voltage, excellent h_{FE} linearity and high h_{FE} .

/ Applications

3
Output stage of 3 watts audio amplifier, regulator, DC-DC converter and relay driver.

/ Equivalents: 2N3055, 2N3055A, 2N3055B, 2N3055C, 2N3055D, 2N3055E, 2N3055F, 2N3055G, 2N3055H, 2N3055I, 2N3055J, 2N3055K, 2N3055L, 2N3055M, 2N3055N, 2N3055P, 2N3055Q, 2N3055R, 2N3055S, 2N3055T, 2N3055U, 2N3055V, 2N3055W, 2N3055X, 2N3055Y, 2N3055Z, 2N3055AA, 2N3055AB, 2N3055AC, 2N3055AD, 2N3055AE, 2N3055AF, 2N3055AG, 2N3055AH, 2N3055AI, 2N3055AJ, 2N3055AK, 2N3055AL, 2N3055AM, 2N3055AN, 2N3055AO, 2N3055AP, 2N3055AQ, 2N3055AR, 2N3055AS, 2N3055AT, 2N3055AU, 2N3055AV, 2N3055AW, 2N3055AX, 2N3055AY, 2N3055AZ, 2N3055BA, 2N3055BB, 2N3055BC, 2N3055BD, 2N3055BE, 2N3055BF, 2N3055BG, 2N3055BH, 2N3055BI, 2N3055BJ, 2N3055BK, 2N3055BL, 2N3055BM, 2N3055BN, 2N3055BO, 2N3055BP, 2N3055BQ, 2N3055BR, 2N3055BS, 2N3055BT, 2N3055BU, 2N3055BV, 2N3055BW, 2N3055BX, 2N3055BY, 2N3055BZ, 2N3055CA, 2N3055CB, 2N3055CC, 2N3055CD, 2N3055CE, 2N3055CF, 2N3055CG, 2N3055CH, 2N3055CI, 2N3055CJ, 2N3055CK, 2N3055CL, 2N3055CM, 2N3055CN, 2N3055CO, 2N3055CP, 2N3055CQ, 2N3055CR, 2N3055CS, 2N3055CT, 2N3055CU, 2N3055CV, 2N3055CW, 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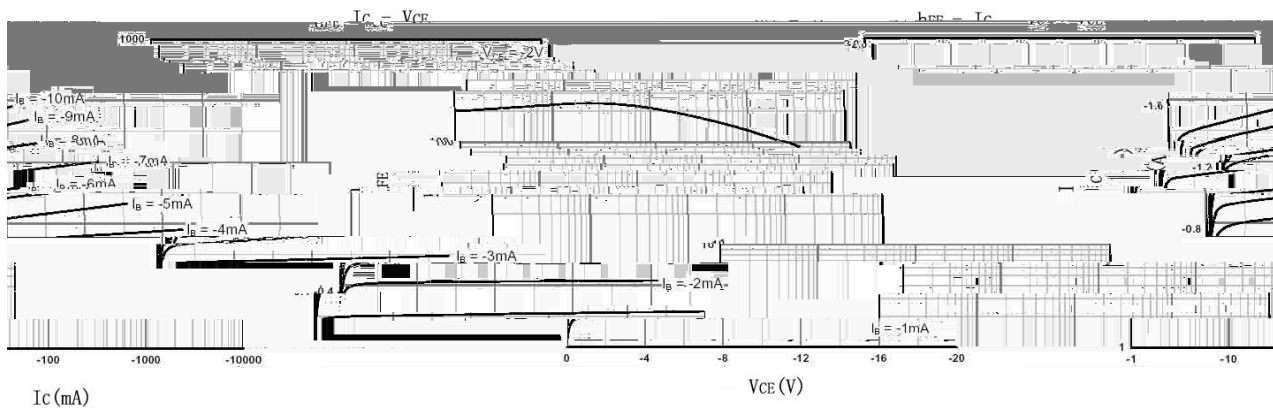
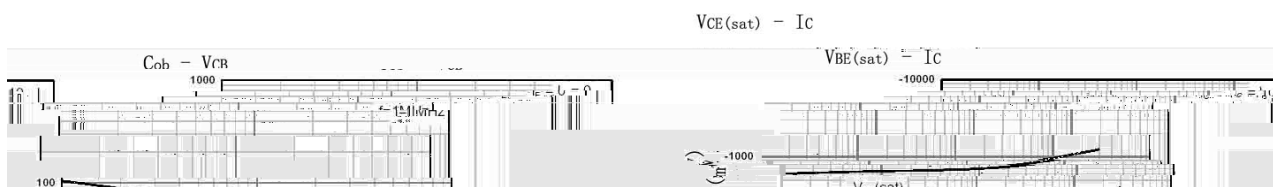
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

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}	-5.0	V
Collector Current - Continuous	I_C	-3.0	A
Collector Power Dissipation	P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-30V$ $I_E=0$			-1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-3.0V$ $I_C=0$			-1.0	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-2.0V$ $I_C=-1.0A$	60	160	400	
	$h_{FE(2)}$	$V_{CE}=-2.0V$ $I_C=-20mA$	30	220		
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-2.0A$ $I_B=-0.2A$		-0.3	-0.5	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -2.0 A$				

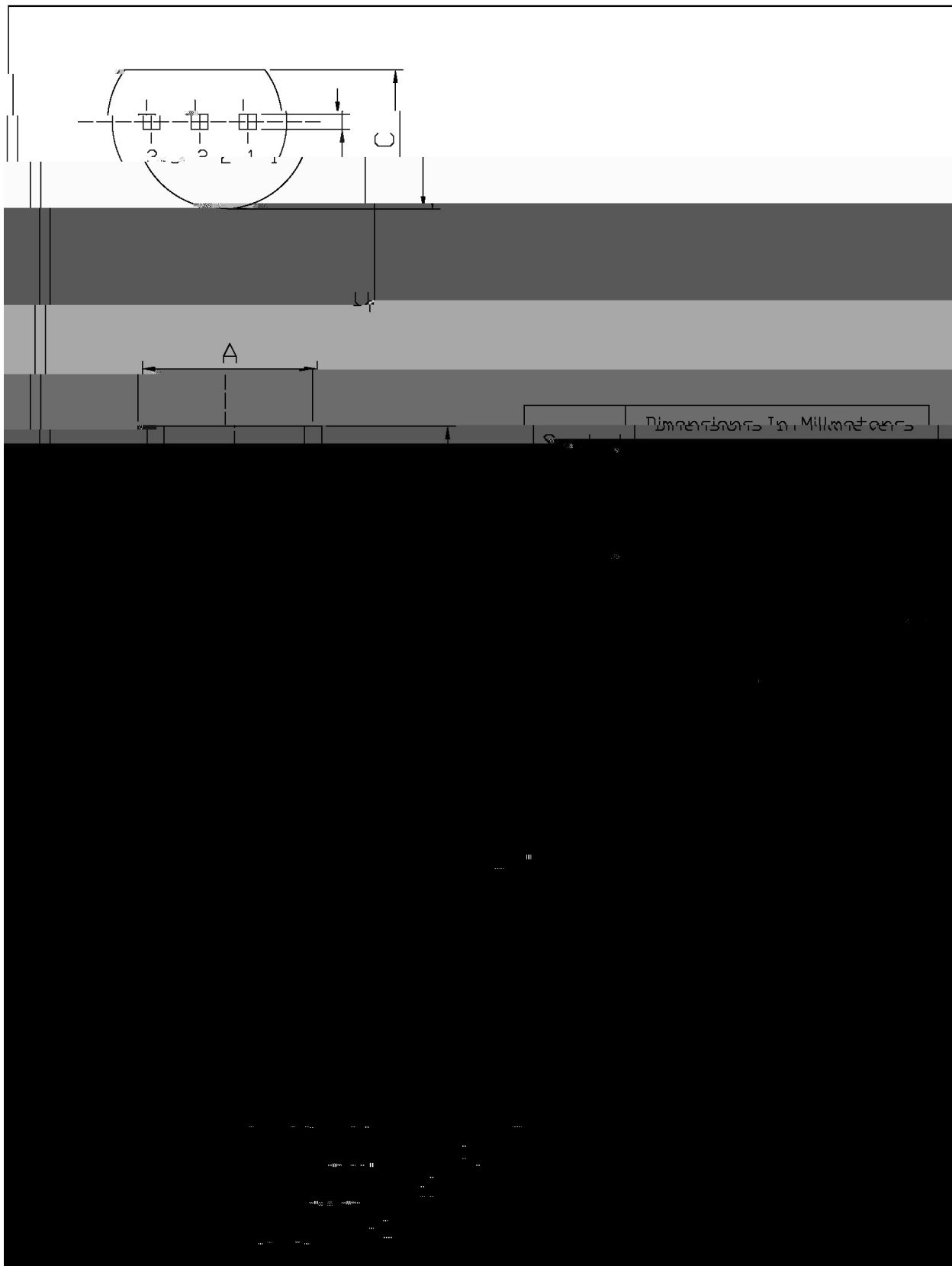
/ Electrical Characteristic Curve



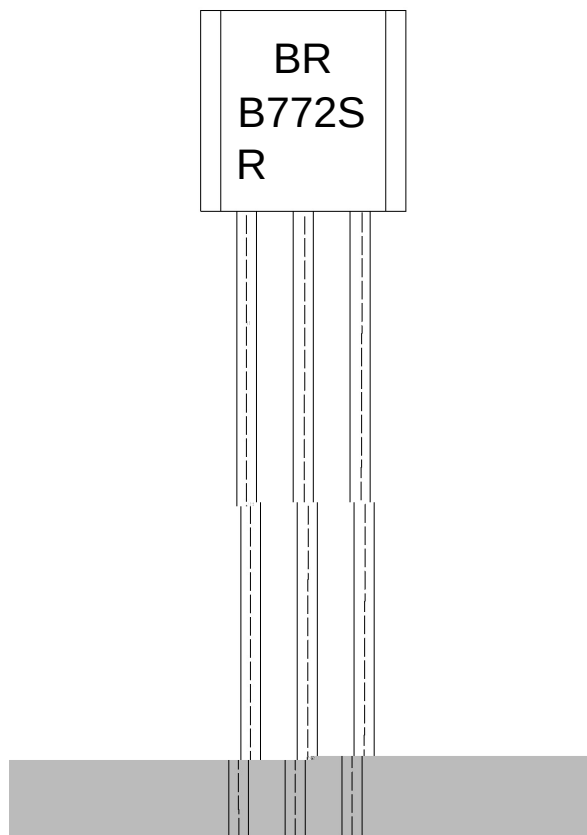
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR:

B772S

R: h_{FE}

Note:

BR: Company Code.

B772S: Product Type.

R: 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)

/ AMMO

Package Type	Units					Dimension		(unit mm3)

/ Notices