## / Descriptions

WR0<5 ṂṂ Ƀ SQS ÆṀ ч s Ⅱㄱ Silicon PNP transistor in a TO-92 Plastic Package.

## / Features

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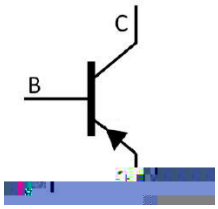
High total dissipation, high $h_{FE}$ and low $V_{CE(sat)}$.

## / Applications

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Output stage of portable radio and cassette type tape recorder, general purpose applications.

## / Equivalent Circuit




## / Pinning




PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

## / hFE Classifications & Marking

| $h_{FE}$ Classifications Symbol | M | L | K |
|---|---|---|---|
| $h_{FE}$ Range | 90~180 | 135~270 | 200~400 |

| v ‴Ω<br>Parameter | ϒ N<br>Symbol | ‴Ω Ö<br>Rating | D Ч<br>Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -30 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -25 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | V |
| Collector Current - Continuous | $I_C$ | -700 | mA |
| Base Current – Continuous | $I_B$ | -150 | mA |
| Collector Power Dissipation | $P_C$ | 600 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

## / Electrical Characteristic Curve

## ( ) / Temperature Profile for Dip Soldering(Pb-Free)



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ł ı `H ڑ `Y ﾊ ᠷ 5 ° 0.5sec;

3 ì ˙ ϒ ˛ ɔ ଌ ỷ ᠷ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

## / Resistance to Soldering Heat Test Conditions

| | | | |
|---|---|---|---|
| □ ỷ χ 270 ° 5 ł | `H ڑ χ 10 ° 1 sec. | Temp:270±5 | Time:10±1 sec |

## / Packaging SPEC.

¨Ω ţ ϒ Ł / BULK

7.( )20sec10

| Package Type | Units | Dimension | (unit mm3) |
|---|---|---|---|