

Dimensions in mm (inches).



**TO39 (TO205AD)  
PINOUTS**

1 – Emitter      2 – Base      3 – Collector

**Bipolar NPN Device in a  
Hermetically sealed TO39  
Metal Package.**

**Bipolar NPN Device.**

**$V_{CEO} = 80V$**

**$I_C = 5A$**

All Semelab hermetically sealed products can be processed in accordance with the requirements of BS, CECC and JAN, JANTX, JANTXV and JANS specifications

| Parameter     | Test Conditions            | Min. | Typ. | Max. | Units |
|---------------|----------------------------|------|------|------|-------|
| $V_{CEO}^*$   |                            |      |      | 80   | V     |
| $I_{C(CONT)}$ |                            |      |      | 5    | A     |
| $h_{FE}$      | @ 5/2.5 ( $V_{CE} / I_C$ ) | 75   |      | 200  | -     |
| $f_t$         |                            |      | 60M  |      | Hz    |
| $P_D$         |                            |      |      | 10   | W     |

\* Maximum Working Voltage

This is a shortform datasheet. For a full datasheet please contact [sales@semelab.co.uk](mailto:sales@semelab.co.uk).

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