

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.**

**$V_{CEO} = 90V$**

**$I_C = 3.5A$**

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
$V_{CEO}^*$				90	V
$I_{C(CONT)}$				3.5	A
$h_{FE}$	@ 4/1.7 ( $V_{CE} / I_C$ )	20		60	-
$f_t$			8M		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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