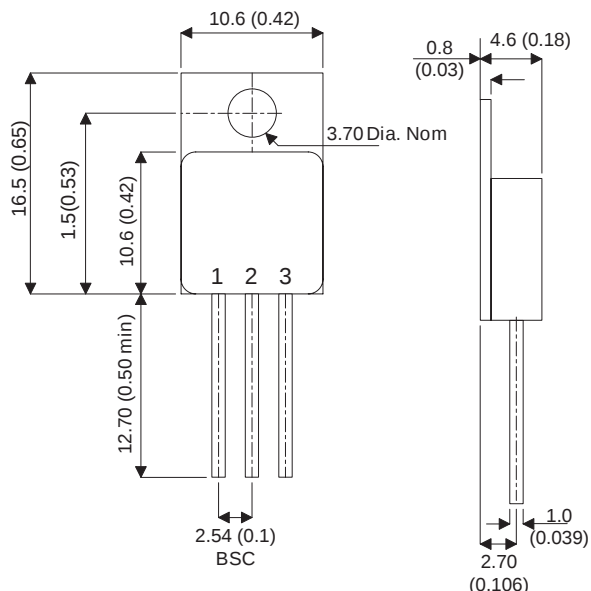


Dimensions in mm (inches).



## N-Channel MOSFET in a Hermetically sealed TO257AB Metal Package.

$$V_{DSS} = 400V$$

$$I_D = 1.2A$$

$$R_{DS(ON)} = 4.15\Omega$$

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

### TO257AB (TO220M)

#### PINOUTS

1 – Gate      2 – Drain      Case – Source

|               | Parameter                                 | Min. | Typ. | Max. | Units    |
|---------------|-------------------------------------------|------|------|------|----------|
| $V_{DSS}$     | Drain – Source Breakdown Voltage          |      |      | 400  | V        |
| $I_D$         | Continuous Drain Current                  |      |      | 1.2  | A        |
| $P_D$         | Power Dissipation                         |      |      | 11   | W        |
| $R_{DS(ON)}$  | Static Drain – Source On–State Resistance |      |      | 4.15 | $\Omega$ |
| $C_{ISS}$     | Input Capacitance                         |      | 170  |      | pF       |
| $Q_g$         | Total Gate Charge                         |      |      | 8.4  | nC       |
| $t_{td(on)}$  | Turn–On Delay Time                        |      |      | 15   | ns       |
| $t_r$         | Rise Time                                 |      |      | 20   | ns       |
| $t_{td(off)}$ | Turn–Off Delay Time                       |      |      | 35   | ns       |
| $t_f$         | Fall Time                                 |      |      | 30   | ns       |

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

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