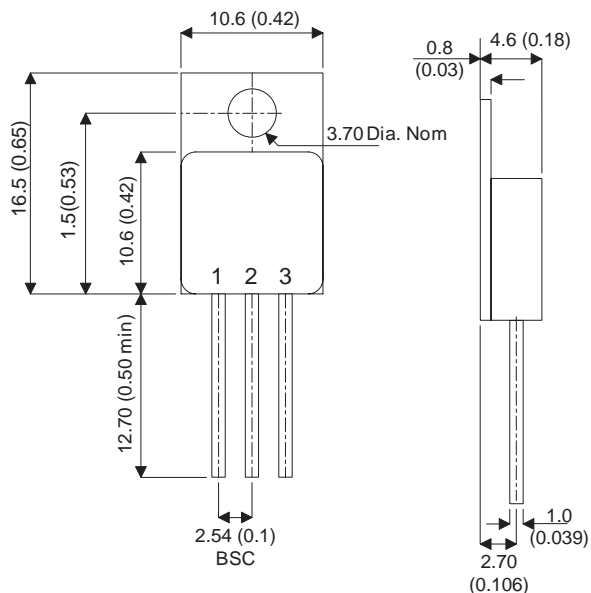


Dimensions in mm (inches).



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

$$V_{DSS} = 500V$$

$$I_D = 25A$$

$$R_{DS(ON)} = 0.23\Omega$$

**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 <sub>DSS</sub>	Drain – Source Breakdown Voltage			500	V
I <sub>D</sub>	Continuous Drain Current			25	A
P <sub>D</sub>	Power Dissipation			300	W
R <sub>DS(ON)</sub>	Static Drain – Source On–State Resistance			0.23	Ω
C <sub>ISS</sub>	Input Capacitance		4200		pF
Q <sub>g</sub>	Total Gate Charge			210	nC
t <sub>td(on)</sub>	Turn–On Delay Time			33	ns
t <sub>tr</sub>	Rise Time			140	ns
t <sub>td(off)</sub>	Turn–Off Delay Time			120	ns
t <sub>f</sub>	Fall Time			99	ns

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

Semelab Plc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use.