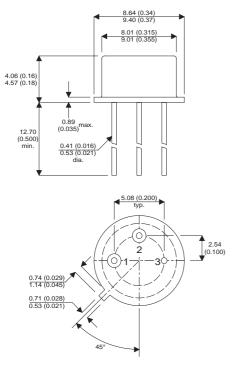


Dimensions in mm (inches).

1 - Source



TO39 (TO205AF) PINOUTS

3 - Drain

2 - Gate

N-Channel MOSFET in a Hermetically sealed TO39

Metal Package.

N-Channel MOSFET. $V_{DSS} = 500V$ $I_{D} = 1.5A$ $R_{DS(ON)} = 3\Omega$

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

| | Parameter | Min. | Тур. | Max. | Units |
|--------------------------|-------------------------------------------|------|------|------|-------|
| V _{DSS} | Drain – Source Breakdown Voltage | | | 500 | V |
| I _D | Continuous Drain Current | | | 1.5 | А |
| P _D | Power Dissipation | | | 20 | W |
| $R_{DS(ON)}$ | Static Drain – Source On–State Resistance | | | 3 | Ω |
| C _{ISS} | Input Capacitance | | 350 | | pF |
| Q_{g} | Total Gate Charge | | | 16.7 | nC |
| $\mathbf{t}_{_{td(on)}}$ | Turn–On Delay Time | | | 40 | ns |
| t _{tr} | Rise Time | | | 30 | ns |
| $t_{td(off)}$ | Turn–Off Delay Time | | | 60 | ns |
| t _r | Fall Time | | | 30 | ns |

This is a shortform datasheet. For a full datasheet please contact sales@semelab.co.uk.

Semelab PIc 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.

IRFF420