

Mounting SOT227

The SOT227 is a power module with some special mounting requirements.



- The package has two mounting holes and four connection terminals.
- Fasten the device to the heat sink before connecting the leads.
- The maximum allowable torque is 1.3Nm on the terminals and on the mounting base.
- M4 screws should be used with lock washers. These are included with the packages.
- The separation of the centre of the mounting holes is $30\text{mm} \pm 0.2\text{mm}$. Full details of the dimensions are given on the datasheet.
- The first mounting screw should be tightened to one third of the maximum torque, the second screw should then be tightened to the same torque. Full tightening of both of the screws can then be completed.
- The case to sink thermal resistance at the recommended mounting torque is 0.05C/W for a greased surface.