

Application note of nHPD2

Terminal Positions

Notice: When reviewing the product, please confirm that this application note is the latest version.

Terminal Positions

The outline of the IGBT module is shown in Figure 1. and the circuit diagram provided in Figure 2. DC terminals are located together on one side of the IGBT module whilst the AC terminals are located on the opposite side. This layout offers reduced inductance when connected to the ancillary bus bars.

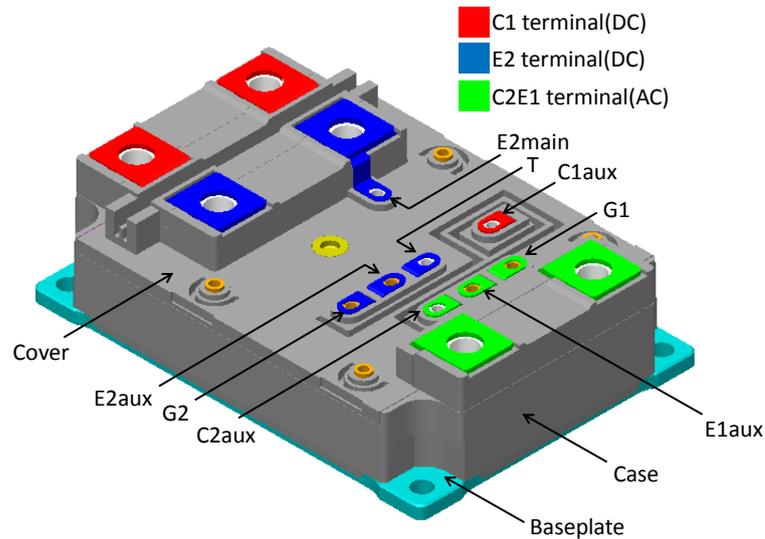


Figure 1 Outline of the IGBT module

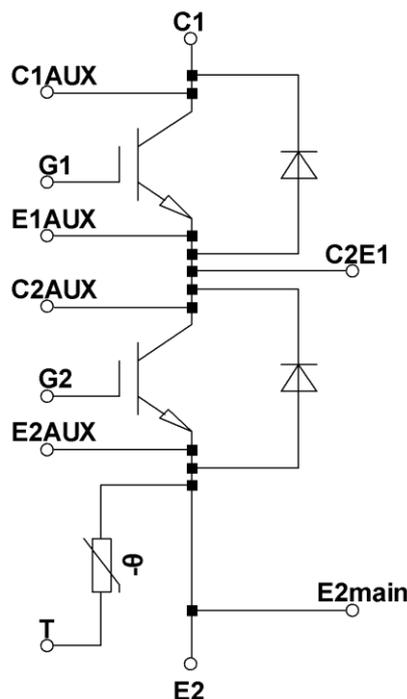


Figure 2 Circuit diagram

A schematic sectional view of the IGBT module is shown in Figure 3. The DC terminals are adjacent to one another inside the IGBT module. This layout reduces the internal stray inductance of the IGBT module.

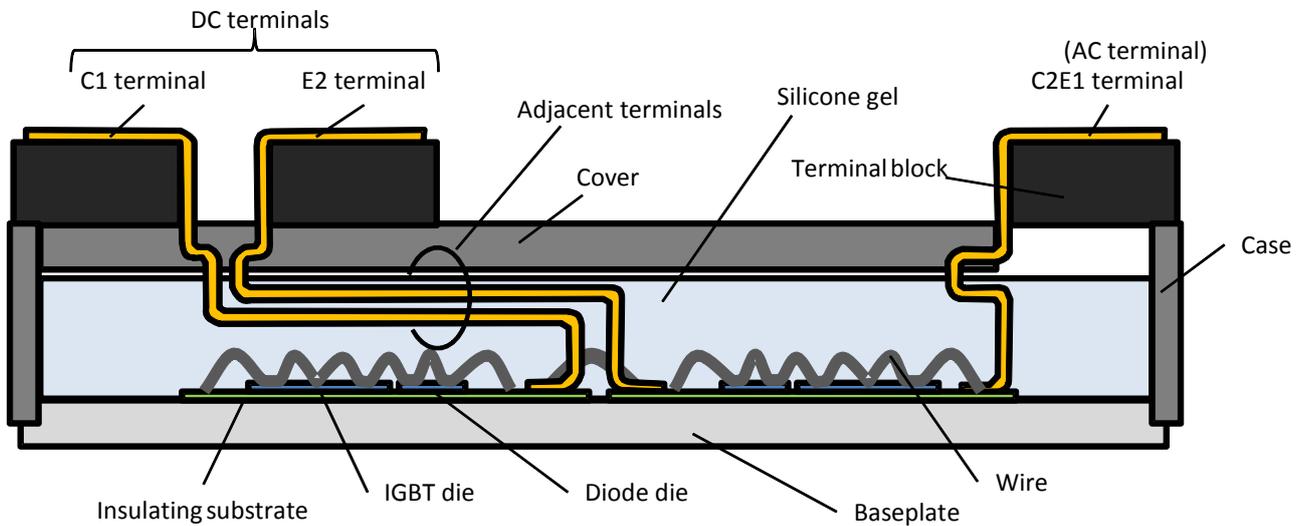


Figure 3 A schematic sectional view of the IGBT module