

Medium-power IGBT modules

ABB enhances its successful IGBT module range into the medium-power segment. Starting with the 62Pak, ABB brings the proven high quality and reliability of the HiPak modules to the 62 mm module range.

ABB's 62Pak modules have an advanced packaging technology that leverages the performance of the latest silicon technology:

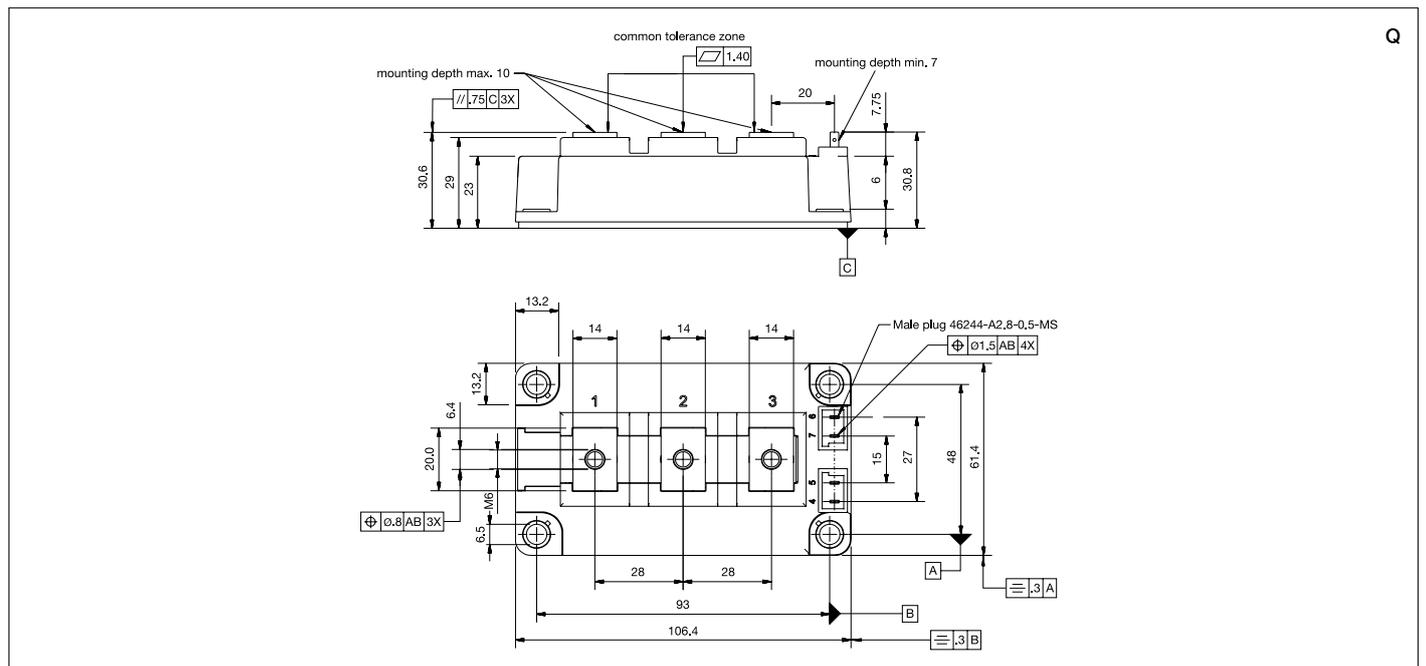
- 1,700 V SPT++ fast switching IGBT / diode chipset with lowest switching losses
- Full 175 °C operation temperature with full square SOA
- Best-in-class temperature cycling performance of bond-wire chip connection
- Standard package allowing drop-in replacement



Part number T_{vj} (operational) up to 175°C 1.7 kV	Voltage V_{CES} (V)	Current I_c (A)	Configuration *	V_{CESat} (V) typ. 125°C	V_F (V) typ. 125°C	Housing
5SNG 0150Q170300	1700	2 x 150	(5) - Phase leg IGBT	2.55	1.75	Q
5SNG 0200Q170300	1700	2 x 200	(5) - Phase leg IGBT	2.55	1.75	Q
5SNG 0300Q170300	1700	2 x 300	(5) - Phase leg IGBT	2.55	1.75	Q

Please refer to page 73 for part numbering structure.

* Configurations on page 24



Dimensions in mm