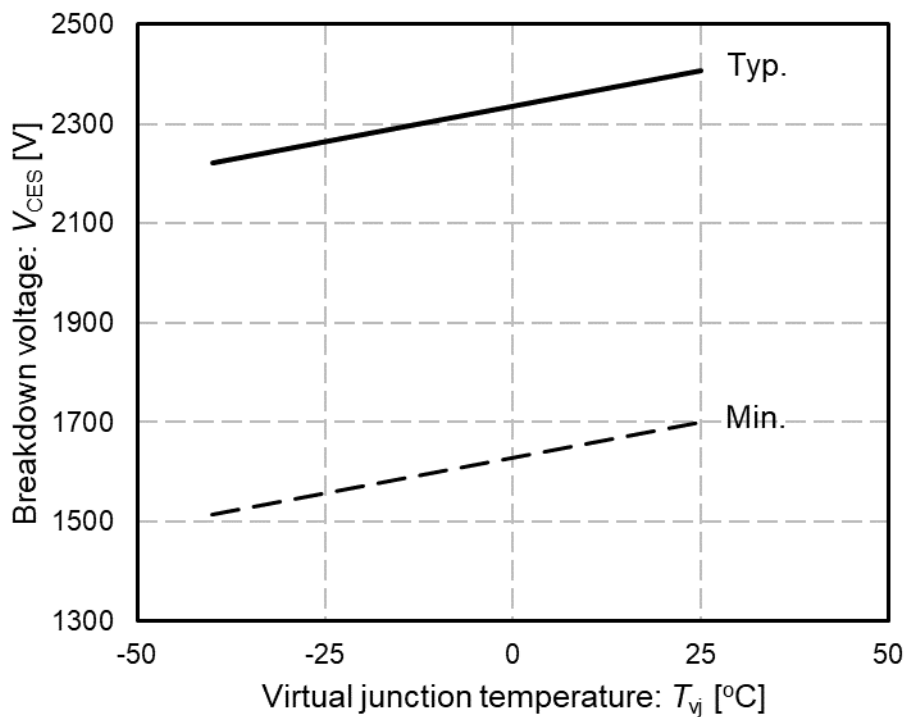


X series RC-IGBT Module 2MBI800XRNE(F)170-50

Junction Breakdown Voltage V_{CES} vs. Virtual Junction Temperature T_{vj}

Module: 2MBI800XRNE(F)170-50



In general, semiconductor devices, the lattice vibration in silicon crystals decreases as temperature decreases and the collision of carriers is suppressed. And the impact ionization ratio is increased and the breakdown voltage of semiconductor devices becomes lower. Therefore when you use the module at low temperature, please take into account the reduction of the breakdown voltage in your design.

WARNING

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