

FUJI Small-IPM X-series

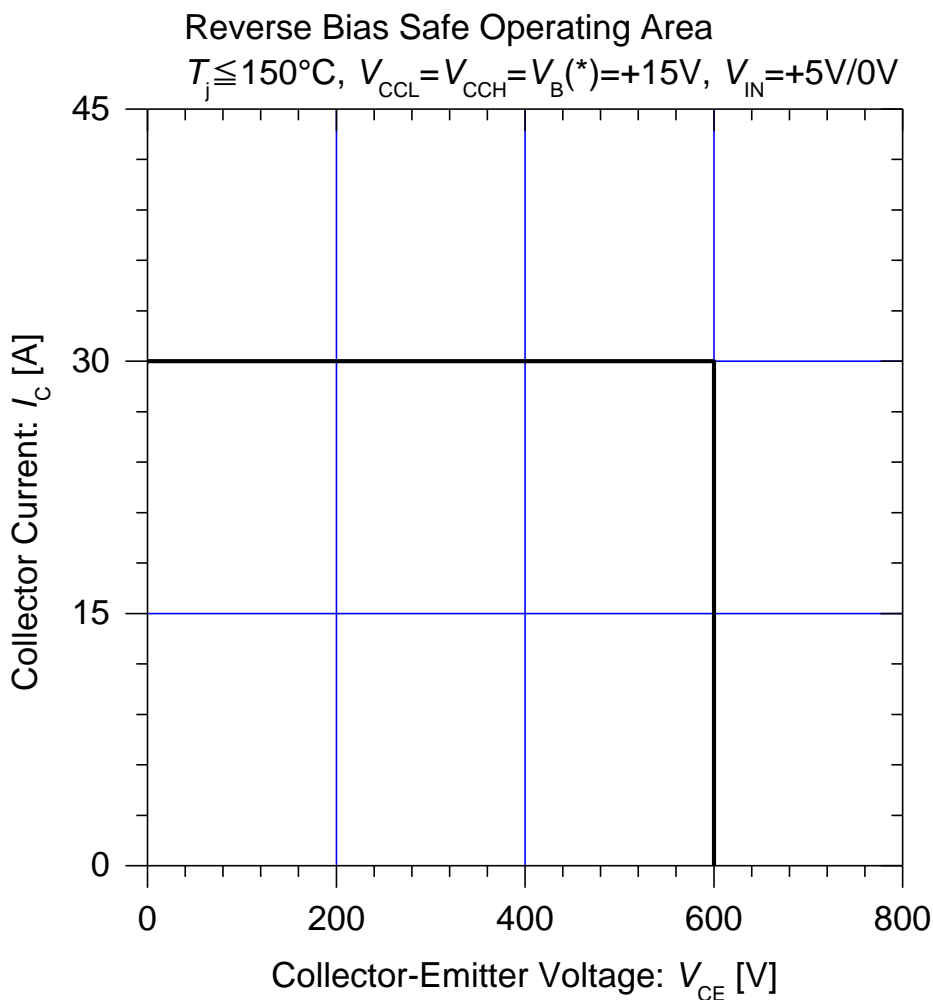
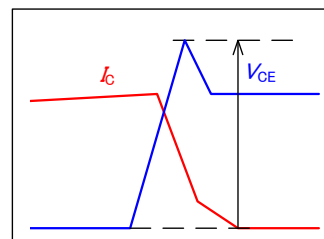
RBSOA

Conditions: $T_j \leq 150^\circ\text{C}$, $V_{CCL} = V_{CCH} = V_B(^*) = +15\text{V}$, $V_{IN} = +5\text{V}/0\text{V}$, repetitive pulse

This document shows the IGBT reverse bias safe operating area RBSOA, defined by $V_{CE} - I_C$.

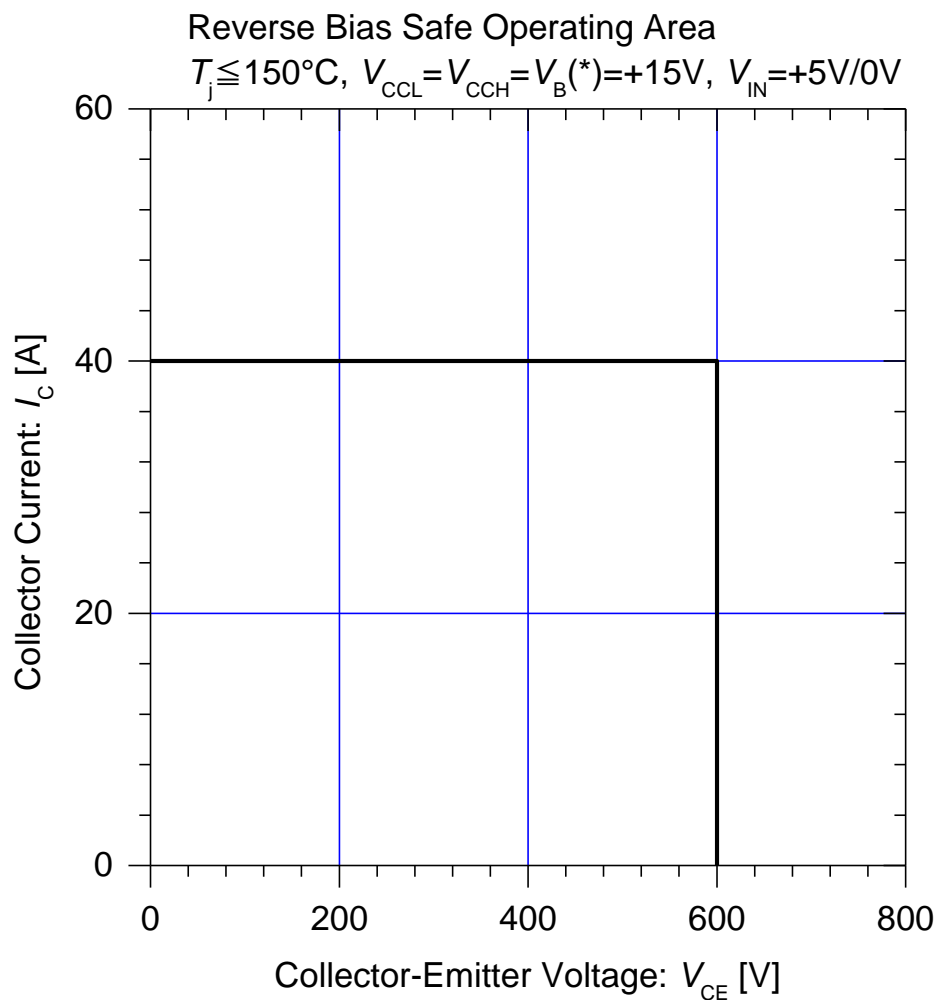
It is important to design a snubber circuit that will keep V_{CE} and I_C within the limits of RBSOA when IGBT is turned off.

Type name: 6MBP15XSD060-50, 6MBP15XSD060-50-F1
 6MBP15XSF060-50, 6MBP15XSF060-50-F1

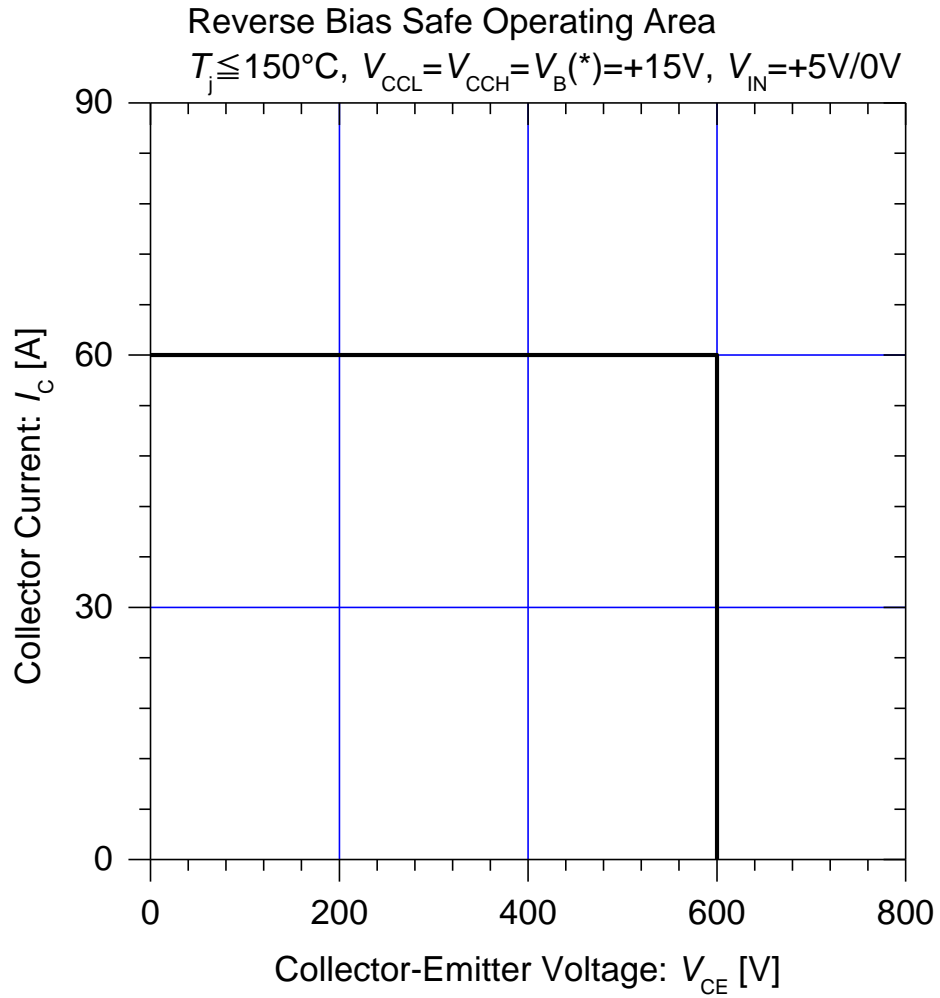


Type name: 6MBP20XSD060-50, 6MBP20XSD060-50-F1

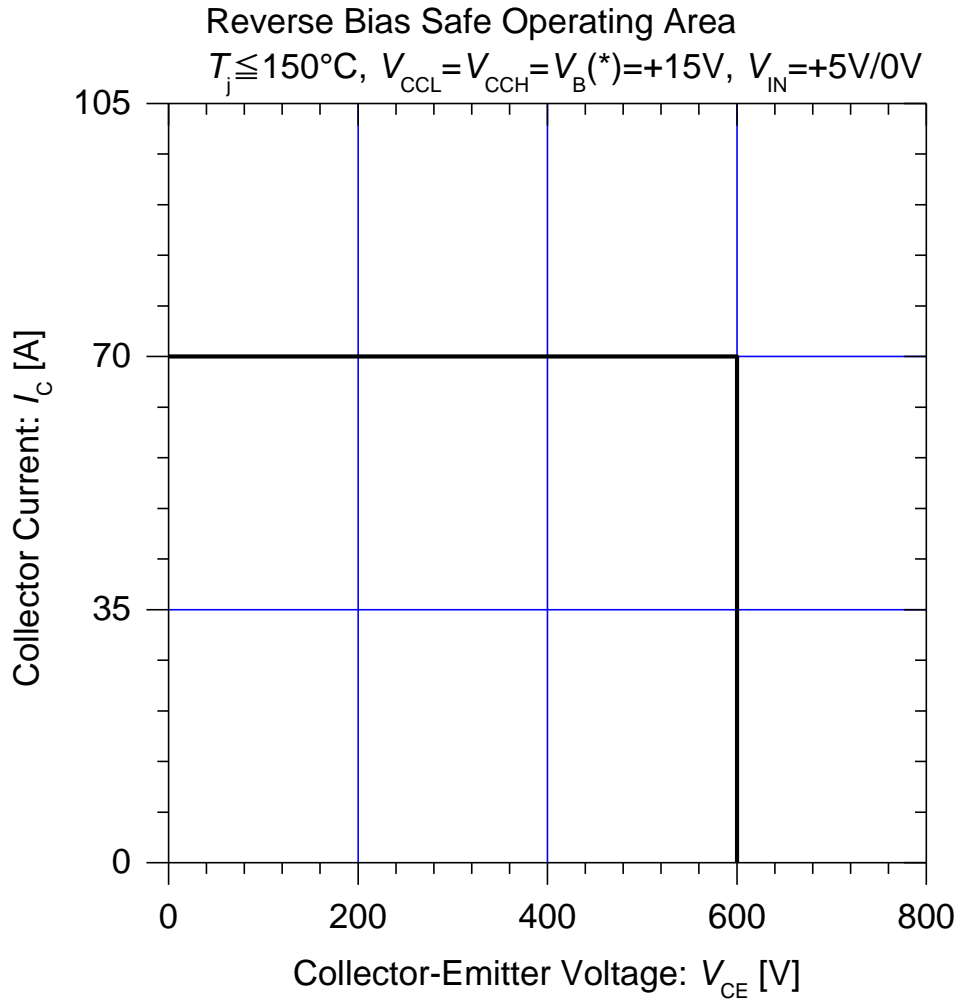
6MBP20XSF060-50, 6MBP20XSF060-50-F1



Type name: 6MBP30XSD060-50, 6MBP30XSD060-50-F1
 6MBP30XSF060-50, 6MBP30XSF060-50-F1



Type name: 6MBP35XSD060-50, 6MBP35XSD060-50-F1
 6MBP35XSF060-50, 6MBP35XSF060-50-F1



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