
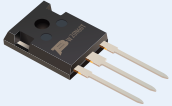

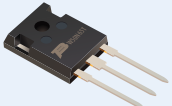

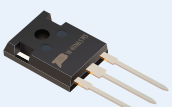

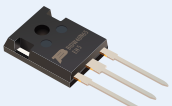



Bourns® Model BID Series IGBT Product Guide

TO-252 SMD IGBT ($T_C = 25^\circ\text{C}$, Unless Otherwise Specified)

Model Number	Photo	Package	Type	V_{CES} (V)	I_C @ $T=100^\circ\text{C}$ (A)	Typ. $V_{CE(sat)}$ @ $I_C, V_{ge}=15\text{V}$ (V)	I_F @ $T_C=100^\circ\text{C}$ (A)	Operating Junction Temperature
BIDD05N60T		TO-252	Medium Speed	600	5	1.5	N/A	-55 °C to +150 °C

TO-247 DIP IGBT ($T_C = 25^\circ\text{C}$, Unless Otherwise Specified)

Model Number	Photo	Package	Type	V_{CES} (V)	I_C @ $T=100^\circ\text{C}$ (A)	Typ. $V_{CE(sat)}$ @ $I_C, V_{ge}=15\text{V}$ (V)	I_F @ $T_C=100^\circ\text{C}$ (A)	Operating Junction Temperature
BIDW20N60T		TO-247	Medium Speed	600	20	1.7	20	-55 °C to +150 °C
BIDW30N60T		TO-247	Medium Speed	600	30	1.65	30	-55 °C to +150 °C
BIDW50N65T		TO-247	Medium Speed	650	50	1.65	50	-55 °C to +150 °C
BIDNW30N60H3		TO-247N	High Speed	600	30	1.65	12	-55 °C to +150 °C
BIDW40N65H5		TO-247N	High Speed	650	40	1.65	20	-40 °C to +175 °C
BIDW40N65ES5		TO-247N	Efficient Medium Speed	650	40	1.35	40	-40 °C to +175 °C
BIDW75N65ES5		TO-247N	Efficient Medium Speed	650	75	1.42	75	-40 °C to +175 °C
BIDW75N65EH5		TO-247N	Efficient High Speed	650	75	1.65	75	-40 °C to +175 °C

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