

■ Molded Package Type IGBTs

600 volts class molded package types

Device type	IGBT										FWD			Package	Net mass
	V _{CES}	V _{GES}	I _{C25} T _C =25°C Cont.	I _{C100} T _C =100°C Cont.	P _C	V _{CE(sat)} (V _{GE} =15V)		Switching time			V _F	P _C	trr		
	Volts	Volts	Amps.	Amps.	Watts	Max. Volts	I _C Amps.	ton μsec.	toff μsec.	tf μsec.	Volts	Watts	μsec.		Grams
1MBG05D-060	600	±20	13	5	50	3.0	5	1.2	1.0	0.35	3.0	25	0.3	T-pack(S)	1.6
1MBC05-060	600	±20	13	5	50	3.0	5	1.2	1.0	0.35	-	-	-	TO-220AB	2.0
1MBC05D-060	600	±20	13	5	50	3.0	5	1.2	1.0	0.35	3.0	25	0.3	TO-220AB	2.0
1MBH05D-060	600	±20	21	5	80	3.0	5	1.2	1.0	0.35	3.0	40	0.3	TO-3PL	9.5
1MBG10D-060	600	±20	20	10	75	3.0	10	1.2	1.0	0.35	3.0	35	0.3	T-pack(S)	1.6
1MBC10-060	600	±20	20	10	75	3.0	10	1.2	1.0	0.35	-	-	-	TO-220AB	2.0
1MBC10D-060	600	±20	20	10	75	3.0	10	1.2	1.0	0.35	3.0	35	0.3	TO-220AB	2.0
1MBH10D-060	600	±20	30	10	115	3.0	10	1.2	1.0	0.35	3.0	55	0.3	TO-3PL	9.5
1MBC15-060	600	±20	24	15 *	90	3.0	15	1.2	1.0	0.35	-	-	-	TO-220AB	2.0
1MB15D-060	600	±20	33	15	120	3.0	15	1.2	1.0	0.35	3.0	60	0.3	TO-3P	5.5
1MBH15D-060	600	±20	37	15	140	3.0	15	1.2	1.0	0.35	3.0	75	0.3	TO-3PL	9.5
1MB20-060	600	±20	38	20	145	3.0	20	1.2	1.0	0.35	-	-	-	TO-3P	5.5
1MB20D-060	600	±20	38	20	145	3.0	20	1.2	1.0	0.35	3.0	75	0.3	TO-3P	5.5
1MBH20D-060	600	±20	45	20	170	3.0	20	1.2	1.0	0.35	3.0	95	0.3	TO-3PL	9.5
1MB30-060	600	±20	48	30 *	180	3.0	30	1.2	1.0	0.35	-	-	-	TO-3P	5.5
1MBH30D-060	600	±20	58	30	220	3.0	30	1.2	1.0	0.35	3.0	120	0.3	TO-3PL	9.5
1MBH50-060	600	±20	82	50	310	3.0	50	1.2	1.0	0.35	-	-	-	TO-3PL	9.5
1MBH50D-060	600	±20	82	50	310	3.0	50	1.2	1.0	0.35	3.0	140	0.3	TO-3PL	9.5

*T_C=80°C

1200 volts class molded package types

Device type	IGBT										FWD			Package	Net mass
	V _{CES}	V _{GES}	I _{C25} T _C =25°C Cont.	I _{C100} T _C =100°C Cont.	P _C	V _{CE(sat)} (V _{GE} =15V)		Switching time			V _F	P _C	trr		
	Volts	Volts	Amps.	Amps.	Watts	Max. Volts	I _C Amps.	ton μsec.	toff μsec.	tf μsec.	Volts	Watts	μsec.		Grams
1MBC03-120	1200	±20	5	2.5	70	3.5	2.5	1.2	1.5	0.5	-	-	-	TO-220AB	2.0
1MB03D-120	1200	±20	5	2.5	70	3.5	2.5	1.2	1.5	0.5	3.0	40	0.35	TO-3P	5.5
1MBH03D-120	1200	±20	5.5	2.5	80	3.5	2.5	1.2	1.5	0.5	3.0	50	0.35	TO-3PL	9.5
1MB05-120	1200	±20	9	5	100	3.5	5	1.2	1.5	0.5	-	-	-	TO-3P	5.5
1MB05D-120	1200	±20	9	5	100	3.5	5	1.2	1.5	0.5	3.0	60	0.35	TO-3P	5.5
1MBH05D-120	1200	±20	10	5	115	3.5	5	1.2	1.5	0.5	3.0	75	0.35	TO-3PL	9.5
1MB08-120	1200	±20	13	8	115	3.5	8	1.2	1.5	0.5	-	-	-	TO-3P	5.5
1MB08D-120	1200	±20	13	8	115	3.5	8	1.2	1.5	0.5	3.0	70	0.35	TO-3P	5.5
1MBH08D-120	1200	±20	15	8	135	3.5	8	1.2	1.5	0.5	3.0	85	0.35	TO-3PL	9.5
1MB10-120	1200	±20	16	10	135	3.5	10	1.2	1.5	0.5	-	-	-	TO-3P	5.5
1MB10D-120	1200	±20	16	10	135	3.5	10	1.2	1.5	0.5	3.0	85	0.35	TO-3P	5.5
1MBH10D-120	1200	±20	18	10	155	3.5	10	1.2	1.5	0.5	3.0	105	0.35	TO-3PL	9.5
1MBH15-120	1200	±20	26	15	245	3.5	15	1.2	1.5	0.5	-	-	-	TO-3PL	9.5
1MBH15D-120	1200	±20	26	15	245	3.5	15	1.2	1.5	0.5	3.0	120	0.35	TO-3PL	9.5
1MBH25-120	1200	±20	38	25	310	3.5	25	1.2	1.5	0.5	-	-	-	TO-3PL	9.5
1MBH25D-120	1200	±20	38	25	310	3.5	25	1.2	1.5	0.5	3.0	145	0.35	TO-3PL	9.5