



DISCRETE TO-3PL, TO-3PF & BBT PACKAGE

Device type	V _{CES}	V _{GES}	I _C	P _C	V _{CE} (sat)	V _{GE} =15V	Switching time (Max.)			Pkg.
	Volts	Volts	cont. Amps.	Per IGBT Watts	Max. Volts	I _C Amps.	t _{on} μ sec.	t _{off} μ sec.	t _f μ sec.	
1MB12-140	1400	±20	12	100	6.0	12	-	1.2	1.0	TO3PF
1MBH60-100	1000	±20	60	260	3.6	60	-	-	0.85	TO3PL
1MBI30L-060	600	±20	30	120	3.5	30	0.8	1.0	0.35	M110
1MBI50L-060	600	±20	50	200	3.5	50	0.8	1.0	0.35	M110
1MBI75L-060	600	±20	75	300	3.5	75	0.8	1.0	0.35	M110

600 VOLT, F SERIES

- Low saturation voltage

Device type	V _{CES}	I _C	P _C	V _{CE} (sat)	V _{GE} =15V	Switching time (max.)			R _{TH}	R _{TH}	V _F	t _{rr}	Pkg.
	Volts	Cont. Amps	Per IGBT Watts	Max. Volts	I _C Amps	t _{on} μsec.	t _{off} μsec.	t _f μsec.	IGBT °C/W	Diode °C/W	Max. Volts	Max. μsec	
DUALS													
2MBI50F-060	600	50	220	2.5	50	0.8	1.5	1.0	0.568	1.330	2.5	0.3	M218
2MBI75F-060	600	75	290	2.5	75	0.8	1.5	1.0	0.431	0.888	2.5	0.3	M218
2MBI100F-060	600	100	360	2.5	100	0.8	1.5	1.0	0.347	0.666	2.5	0.3	M218
2MBI150F-060	600	150	540	2.5	150	0.8	1.5	1.0	0.231	0.444	2.5	0.3	M219
2MBI200F-060	600	200	720	2.5	200	0.8	1.5	1.0	0.174	0.333	2.5	0.3	M219
2MBI300F-060	600	300	1080	2.5	300	0.8	1.5	1.0	0.116	0.222	2.5	0.3	M217
SINGLES													
1MBI300F-060	600	300	1080	2.5	300	0.8	1.5	1.0	0.116	0.222	2.5	0.3	M116
1MBI400F-060	600	400	1440	2.5	400	0.8	1.5	1.0	0.087	0.167	2.5	0.3	M116

600 VOLT, L SERIES

- High speed switching

Device type	V _{CE}	I _C	P _C	V _{CE} (sat)	V _{GE} =15V	Switching time (max.)			R _{TH}	R _{TH}	V _F	t _{rr}	Pkg.
	Volts	Cont. Amps	Per IGBT Watts	Max. Volts	I _C Amps	t _{on} μsec.	t _{off} μsec.	t _f μsec.	IGBT °C/W	Diode °C/W	Max. Volts	Max. μsec	
DUALS													
2MBI50L-060	600	50	250	3.5	50	0.8	1.0	0.35	0.500	1.00	2.5	0.3	M218
2MBI75L-060	600	75	325	3.5	75	0.8	1.0	0.35	0.385	0.85	2.5	0.3	M218
2MBI100L-060	600	100	400	3.5	100	0.8	1.0	0.35	0.312	0.60	2.5	0.3	M218
2MBI150L-060	600	150	600	3.5	150	0.8	1.0	0.35	0.208	0.40	2.5	0.3	M219
2MBI150LB-060	600	150	600	3.5	150	0.8	1.0	0.35	0.208	0.40	2.5	0.3	M221
2MBI200L-060	600	200	800	3.5	200	0.8	1.0	0.35	0.156	0.30	2.5	0.3	M219
2MBI200LB-060	600	200	800	3.5	200	0.8	1.0	0.35	0.156	0.30	2.5	0.3	M221
2MBI300L-060	600	300	1200	3.5	300	0.8	1.0	0.35	0.104	0.20	2.5	0.3	M217
2MBI300LB-060	600	300	1200	3.5	300	0.8	1.0	0.35	0.104	0.20	2.5	0.3	M225
2MBI400L-060	600	400	1600	3.5	400	0.8	1.0	0.35	0.078	0.15	2.5	0.3	M225
SINGLES													
1MBI300L-060	600	300	1200	3.5	300	0.8	1.0	0.35	0.104	0.25	2.5	0.3	M116