

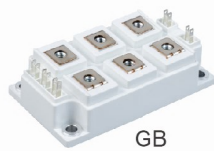


PV and ESS Power Devices

• • • IGBT Modules • • •



GC



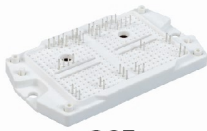
GB



GWB



GWQ



GCF



GHP



GCE



GD

Circuit	Part Number	V_{CES} min. (V)	I_C $T_c=65-110^\circ\text{C}$ (A)	$V_{CE(sat)}$ typ. (V)	P_D max. (W)	E_{off} $T_j=125^\circ\text{C}$ (mJ)	R_{thJC} max. (K/W)	Package Outline
<p>BF</p>	MMG80C120BF_Y1	1200	80	1.90	300	1.4	0.50	GC
	MMG150B065PD6TC	650	150	1.55	411	4.9	0.34	GB
	MMG200B120PD6T6	1200	200	1.70	1154	25.0	0.13	GB
<p>PD</p>	MMG450WB120B6TC	1200	450	1.85	2305	45.0	0.065	GWB
	MMG600WB120B6T6	1200	600	1.70	2941	74.5	0.051	GWB
	MMG800WB120B6T7	1200	800	1.80	3750	121.0	0.04	GWB
<p>B</p>	MMG300WB120TLB6TC	1200	300	1.70	1380	37.0	0.09	GWB
	MMG300WB120TLA6TC	1200	300	1.70	1380	37.0	0.09	GWB
<p>TLB</p>	MMG150CE065PD6TC	650	150	1.65	335	5.1	0.45	GCE
	MMG150CE065PD6T6	650	150	1.40	335	5.0	0.40	GCE
	MMG200CE065PD6T5	650	200	1.50	468	5.2	0.32	GCE
<p>TLA</p>	MMG800D120B6T7	1200	800	1.50	3061	132.0	0.049	GD
	MMG450WQ120PD6T7	1200	450	1.53	1400	14.1	0.107	GWQ
	MMG450WQ120PD6T7H	1200	450	1.53	1400	14.1	0.107	GWQ
	MMG560WQ120BF6T7	1200	560	1.50	1666	15.7	0.09	GWQ
	MMG600WQ100PD6T7	1000	600	1.80	1540	11.8	0.097	GWQ

• • • SiC SBD Discretes • • •



TO-247-2L

Part Number	V_{RRM} (V)	$I_{F(AV)}$ (A)	V_F (V)	Package Outline
MM20S120B	1200	20	1.4	TO-247-2L
MM40S120B	1200	40	1.8	TO-247-2L
MM40S120BC	1200	40	1.8	TO-247-3L

• • • SiC MOSFET Discretes • • •



TO-247-4L

Part Number	V_{DSS} (V)	I_D (A)	$R_{ds(on)}$ (mΩ)	Package Outline
MM40N120BK	1200	50	40	TO-247-4L

• • • IGBT Discretes • • •



TO-247-3L



TO-247 Plus-3L



TO-247 Plus-4L



TO-247-4L

Part Number	V_{CES} (V)	I_C (A)	$V_{CE(sat)}$ (V)	Package Outline
MM75G3T65B	650	75	1.45	TO-247-3L
MM100G5T65B	650	100	1.50	TO-247-3L
MM120G3T65BM	650	120	1.60	TO-247Plus-3L
MM40G3U65BN	650	40	1.75	TO-247-3L
MM40G3U65B	650	40	1.75	TO-247-3L
MM60G3U65B	650	60	1.55	TO-247-3L
MM75G5U65BX	650	75	1.65	TO-247-3L
MM75G5U65BKX	650	75	1.65	TO-247-4L
MM75G5T65BX	650	75	1.70	TO-247-3L
MM15G3T120B	1200	15	1.85	TO-247-3L
MM25G3T120B	1200	25	1.80	TO-247-3L
MM40G3T120B	1200	40	1.90	TO-247-3L
MM50G3T120BM	1200	50	1.80	TO-247Plus-3L
MM25G3U120BX	1200	25	2.15	TO-247-3L
MM40G3U120B	1200	40	1.90	TO-247-3L
MM40G3U120BX	1200	40	1.90	TO-247-3L
MM50G3U120BMX	1200	50	1.95	TO-247Plus-3L
MM75G5U120BM	1200	75	1.70	TO-247Plus-3L
MM75G5U120BKM	1200	75	1.70	TO-247Plus-4L
MM140G7U120BKM	1200	140	1.60	TO-247Plus-4L