



BRIDGE RECTIFIERS

OPERATING/STORAGE TEMPERATURE RANGE: -55°C TO 150°C

MCC Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM} @ 25°C T_L^*	Maximum Forward Voltage @ 25°C T_L^*		Package
	V_{RWM}	I_O @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	

Through Hole Bridge Rectifiers

MB05M	50	0.5	40	30	5.0	0.5	1.0	MB-1
MB1M	100		40	30	5.0	0.5	1.0	
MB2M	200		40	30	5.0	0.5	1.0	
MB4M	400		40	30	5.0	0.5	1.0	
MB6M	600		40	30	5.0	0.5	1.0	
MB8M	800		40	30	5.0	0.5	1.0	
MB10M	1000		40	30	5.0	0.5	1.0	
DB101	50	1.0	40	50	10	1.0	1.1	DB-1
DB102	100		40	50	10	1.0	1.1	
DB103	200		40	50	10	1.0	1.1	
DB104	400		40	50	10	1.0	1.1	
DB105	600		40	50	10	1.0	1.1	
DB106	800		40	50	10	1.0	1.1	
DB107	1000		40	50	10	1.0	1.1	
HDB101G	50		40	50	5.0	1.0	1.0	
HDB102G	100		40	50	5.0	1.0	1.0	
HDB103G	200		40	50	5.0	1.0	1.0	
HDB104G	400		40	50	5.0	1.0	1.3	
HDB105G	600		40	50	5.0	1.0	1.7	
HDB106G	800		40	50	5.0	1.0	1.7	
HDB107G	1000		40	50	5.0	1.0	1.7	
RB151	50	1.5	25	50	10	1.5	1.0	RB-15
RB152	100		25	50	10	1.5	1.0	
RB153	200		25	50	10	1.5	1.0	
RB154	400		25	50	10	1.5	1.0	
RB155	600		25	50	10	1.5	1.0	
RB156	800		25	50	10	1.5	1.0	
RB157	1000		25	50	10	1.5	1.0	
W005G	50	1.5	50	50	10	1.0	1.1	WOM
W01G	100		50	50	10	1.0	1.1	
W02G	200		50	50	10	1.0	1.1	
W04G	400		50	50	10	1.0	1.1	
W06G	600		50	50	10	1.0	1.1	
W08G	800		50	50	10	1.0	1.1	
W10G	1000		50	50	10	1.0	1.1	
W005M	50		25	50	10	1.5	1.0	
W01M	100		25	50	10	1.5	1.0	
W02M	200		25	50	10	1.5	1.0	
W04M	400	25	50	10	1.5	1.0		
W06M	600	25	50	10	1.5	1.0		
W08M	800	25	50	10	1.5	1.0		
W10M	1000	25	50	10	1.5	1.0		

"G" suffix signifies a glass passivated die

MCC Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM} @ 25°C T_L^*	Maximum Forward Voltage @ 25°C T_L^*		Package
	V_{RWM}	I_O @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	
2W005	50	2.0	25	50	10	1.0	1.1	WOL
2W01	100		25	50	10	1.0	1.1	
2W02	200		25	50	10	1.0	1.1	
2W04	400		25	50	10	1.0	1.1	
2W06	600		25	50	10	1.0	1.1	
2W08	800		25	50	10	1.0	1.1	
2W10	1000		25	50	10	1.0	1.1	
BR805DL	50		BR-8D	25	50	10	1.0	1.1
BR81DL	100			25	50	10	1.0	1.1
BR82DL	200			25	50	10	1.0	1.1
BR84DL	400			25	50	10	1.0	1.1
BR86DL	600			25	50	10	1.0	1.1
BR88DL	800			25	50	10	1.0	1.1
BR810DL	1000			25	50	10	1.0	1.1
KBP2005G	50	KBP	105	65	5.0	2.0	1.1	
KBP201G	100		105	65	5.0	2.0	1.1	
KBP202G	200		105	65	5.0	2.0	1.1	
KBP204G	400		105	65	5.0	2.0	1.1	
KBP206G	600		105	65	5.0	2.0	1.1	
KBP208G	800		105	65	5.0	2.0	1.1	
KBP2010G	1000		105	65	5.0	2.0	1.1	
PB305	50	PB-3	50	50	10	1.5	1.2	
PB31	100		50	50	10	1.5	1.2	
PB32	200		50	50	10	1.5	1.2	
PB34	400		50	50	10	1.5	1.2	
PB36	600		50	50	10	1.5	1.2	
PB38	800		50	50	10	1.5	1.2	
PB310	1000		50	50	10	1.5	1.2	
GBU4A	50	GBU	100	150	5.0	2.0	1.0	
GBU4B	100		100	150	5.0	2.0	1.0	
GBU4D	200		100	150	5.0	2.0	1.0	
GBU4G	400		100	150	5.0	2.0	1.0	
GBU4J	600		100	150	5.0	2.0	1.0	
GBU4K	800		100	150	5.0	2.0	1.0	
GBU4M	1000		100	150	5.0	2.0	1.0	
GBU6A	50	6.0	100	175	5.0	3.0	1.0	
GBU6B	100		100	175	5.0	3.0	1.0	
GBU6D	200		100	175	5.0	3.0	1.0	
GBU6G	400		100	175	5.0	3.0	1.0	
GBU6J	600		100	175	5.0	3.0	1.0	
GBU6K	800		100	175	5.0	3.0	1.0	
GBU6M	1000		100	175	5.0	3.0	1.0	
GBU8A	50	8.0	100	200	5.0	4.0	1.0	
GBU8B	100		100	200	5.0	4.0	1.0	
GBU8D	200		100	200	5.0	4.0	1.0	
GBU8G	400		100	200	5.0	4.0	1.0	
GBU8J	600		100	200	5.0	4.0	1.0	
GBU8K	800		100	200	5.0	4.0	1.0	
GBU8M	1000		100	200	5.0	4.0	1.0	

MCC Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM} @ 25°C T_L^*	Maximum Forward Voltage @ 25°C T_L^*		Package
	V_{RWM}	I_O @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	
RS401L	50	4.0	50	200	10	3.0	1.1	RS-4L
RS402L	100		50	200	10	3.0	1.1	
RS403L	200		50	200	10	3.0	1.1	
RS404L	400		50	200	10	3.0	1.1	
RS405L	600		50	200	10	3.0	1.1	
RS406L	800		50	200	10	3.0	1.1	
RS407L	1000		50	200	10	3.0	1.1	
RS401M	50	4.0	115	120	5.0	2.0	1.0	RS-4M
RS402M	100		115	120	5.0	2.0	1.0	
RS403M	200		115	120	5.0	2.0	1.0	
RS404M	400		115	120	5.0	2.0	1.0	
RS405M	600		115	120	5.0	2.0	1.0	
RS406M	800		115	120	5.0	2.0	1.0	
RS407M	1000		115	120	5.0	2.0	1.0	
GBJ6005	50	6.0	110	170	5.0	3.0	1.0	GBJ
GBJ601	100		110	170	5.0	3.0	1.0	
GBJ602	200		110	170	5.0	3.0	1.0	
GBJ604	400		110	170	5.0	3.0	1.0	
GBJ606	600		110	170	5.0	3.0	1.0	
GBJ608	800		110	170	5.0	3.0	1.0	
GBJ610	1000		110	170	5.0	3.0	1.0	
GBJ8005	50	8.0	110	170	5.0	4.0	1.0	GBJ
GBJ801	100		110	170	5.0	4.0	1.0	
GBJ802	200		110	170	5.0	4.0	1.0	
GBJ804	400		110	170	5.0	4.0	1.0	
GBJ806	600		110	170	5.0	4.0	1.0	
GBJ808	800		110	170	5.0	4.0	1.0	
GBJ810	1000		110	170	5.0	4.0	1.0	
GBJ1002	200	10	110	170	10	5.0	1.05	GBJ
GBJ1004	400		110	170	10	5.0	1.05	
GBJ1006	600		110	170	10	5.0	1.05	
GBJ1008	800		110	170	10	5.0	1.05	
GBJ1010	1000		110	170	10	5.0	1.05	
GBJ15005	50	15	100	240	10	7.5	1.05	GBJ
GBJ1501	100		100	240	10	7.5	1.05	
GBJ1502	200		100	240	10	7.5	1.05	
GBJ1504	400		100	240	10	7.5	1.05	
GBJ1506	600		100	240	10	7.5	1.05	
GBJ1508	800		100	240	10	7.5	1.05	
GBJ1510	1000		100	240	10	7.5	1.05	
GBJ20005	50	20	100	240	10	10	1.05	GBJ
GBJ2001	100		100	240	10	10	1.05	
GBJ2002	200		100	240	10	10	1.05	
GBJ2004	400		100	240	10	10	1.05	
GBJ2006	600		100	240	10	10	1.05	
GBJ2008	800		100	240	10	10	1.05	
GBJ2010	1000		100	240	10	10	1.05	
GBJ25005	50	25	100	350	10	12.5	1.05	GBJ
GBJ2501	100		100	350	10	12.5	1.05	
GBJ2502	200		100	350	10	12.5	1.05	
GBJ2504	400		100	350	10	12.5	1.05	
GBJ2506	600		100	350	10	12.5	1.05	
GBJ2508	800		100	350	10	12.5	1.05	
GBJ2510	1000		100	350	10	12.5	1.05	



MCC Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM} @ 25°C T_L^*	Maximum Forward Voltage @ 25°C T_L^*		Package	
	V_{RWM}	I_O @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}		
	V	A	°C	A	μA	A	V		
PB605	50	6.0	50	150	10	3.0	1.1	PB-6	
PB61	100		50	150	10	3.0	1.1		
PB62	200		50	150	10	3.0	1.1		
PB64	400		50	150	10	3.0	1.1		
PB66	600		50	150	10	3.0	1.1		
PB68	800		50	150	10	3.0	1.1		
PB610	1000		50	150	10	3.0	1.1		
MP1005	50	10	75	150	10	5.0	1.1		
MP101	100		75	150	10	5.0	1.1		
MP102	200		75	150	10	5.0	1.1		
MP104	400		75	150	10	5.0	1.1		
MP106	600		75	150	10	5.0	1.1		
MP108	800		75	150	10	5.0	1.1		
MP1010	1000		75	150	10	5.0	1.1		
RS601	50	6.0	65	200	10	3.0	1.1		RS-6
RS602	100		65	200	10	3.0	1.1		
RS603	200		65	200	10	3.0	1.1		
RS604	400		65	200	10	3.0	1.1		
RS605	600		65	200	10	3.0	1.1		
RS606	800		65	200	10	3.0	1.1		
RS607	1000		65	200	10	3.0	1.1		
RS801	50	8.0	65	300	10	4.0	1.1		
RS802	100		65	300	10	4.0	1.1		
RS803	200		65	300	10	4.0	1.1		
RS804	400		65	300	10	4.0	1.1		
RS805	600		65	300	10	4.0	1.1		
RS806	800		65	300	10	4.0	1.1		
RS807	1000		65	300	10	4.0	1.1		
RS1001	50	10	65	300	10	5.0	1.1	RS-6	
RS1002	100		65	300	10	5.0	1.1		
RS1003	200		65	300	10	5.0	1.1		
RS1004	400		65	300	10	5.0	1.1		
RS1005	600		65	300	10	5.0	1.1		
RS1006	800		65	300	10	5.0	1.1		
RS1007	1000		65	300	10	5.0	1.1		
MB805	50	8.0	50	125	10	4.0	1.1	BR-6	
MB81	100		50	125	10	4.0	1.1		
MB82	200		50	125	10	4.0	1.1		
MB84	400		50	125	10	4.0	1.1		
MB86	600		50	125	10	4.0	1.1		
MB88	800		50	125	10	4.0	1.1		
MB810	1000		50	125	10	4.0	1.1		
MB1005	50	10	50	150	10	5.0	1.1		
MB101	100		50	150	10	5.0	1.1		
MB102	200		50	150	10	5.0	1.1		
MB104	400		50	150	10	5.0	1.1		
MB106	600		50	150	10	5.0	1.1		
MB108	800		50	150	10	5.0	1.1		
MB1010	1000		50	150	10	5.0	1.1		



MCC Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM} @ 25°C T_L^*	Maximum Forward Voltage @ 25°C T_L^*		Package
	V_{RWM}	I_O @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	
MB1505	50	15	55	300	10	7.5	1.2	MB-35(W)*
MB151	100		55	300	10	7.5	1.2	
MB152	200		55	300	10	7.5	1.2	
MB154	400		55	300	10	7.5	1.2	
MB156	600		55	300	10	7.5	1.2	
MB158	800		55	300	10	7.5	1.2	
MB1510	1000		55	300	10	7.5	1.2	
MB2505	50	25	55	300	10	12.5	1.2	
MB251	100		55	300	10	12.5	1.2	
MB252	200		55	300	10	12.5	1.2	
MB254	400		55	300	10	12.5	1.2	
MB256	600		55	300	10	12.5	1.2	
MB258	800		55	300	10	12.5	1.2	
MB2510	1000		55	300	10	12.5	1.2	
MB251D	110		55	300	2.0	12.5	2.1	
MB3505	50	35	55	400	10	17.5	1.2	
MB351	100		55	400	10	17.5	1.2	
MB352	200		55	400	10	17.5	1.2	
MB354	400		55	400	10	17.5	1.2	
MB356	600		55	400	10	17.5	1.2	
MB358	800		55	400	10	17.5	1.2	
MB3510	1000		55	400	10	17.5	1.2	
MB5005	50	50	55	400	10	25	1.2	
MB501	100		55	400	10	25	1.2	
MB502	200		55	400	10	25	1.2	
MB504	400		55	400	10	25	1.2	
MB506	600		55	400	10	25	1.2	
MB508	800		55	400	10	25	1.2	
MB5010	1000		55	400	10	25	1.2	
MP1505	50	15	55	300	5.0	7.5	1.1	
MP151	100		55	300	5.0	7.5	1.1	
MP152	200		55	300	5.0	7.5	1.1	
MP154	400		55	300	5.0	7.5	1.1	
MP156	600		55	300	5.0	7.5	1.1	
MP158	800		55	300	5.0	7.5	1.1	
MP1510	1000		55	300	5.0	7.5	1.1	
MP2505	50	25	55	300	5.0	12.5	1.1	
MP251	100		55	300	5.0	12.5	1.1	
MP252	200		55	300	5.0	12.5	1.1	
MP254	400		55	300	5.0	12.5	1.1	
MP256	600		55	300	5.0	12.5	1.1	
MP258	800		55	300	5.0	12.5	1.1	
MP2510	1000		55	300	5.0	12.5	1.1	
MP3505	50	35	55	400	5.0	17.5	1.1	
MP351	100		55	400	5.0	17.5	1.1	
MP352	200		55	400	5.0	17.5	1.1	
MP354	400		55	400	5.0	17.5	1.1	
MP356	600		55	400	5.0	17.5	1.1	
MP358	800		55	400	5.0	17.5	1.1	
MP3510	1000		55	400	5.0	17.5	1.1	

*NOTE: Suffix "W" Denotes Wire Leads



MCC Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz		Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V_{RWM} @ 25°C T_L^*	Maximum Forward Voltage @ 25°C T_L^*		Package
	V_{RWM}	I_O @ T_L		I_{FSM}	I_R	I_{FM}	V_{FM}	
	V	A	°C	A	μA	A	V	
MP4005	50	40	55	400	10	20	1.2	MP-50(W)*
MP401	100		55	400	10	20	1.2	
MP402	200		55	400	10	20	1.2	
MP404	400		55	400	10	20	1.2	
MP406	600		55	400	10	20	1.2	
MP408	800		55	400	10	20	1.2	
MP4010	1000		55	400	10	20	1.2	
MP5005	50	50	55	400	10	25	1.2	
MP501	100		55	400	10	25	1.2	
MP502	200		55	400	10	25	1.2	
MP504	400		55	400	10	25	1.2	
MP506	600		55	400	10	25	1.2	
MP508	800		55	400	10	25	1.2	
MP5010	1000		55	400	10	25	1.2	

*NOTE: Suffix "W" Denotes Wire Leads

Surface Mount Bridge Rectifiers

MB05S	50	0.5	30	30	5.0	0.5	1.0	MBS-1
MB1S	100		30	30	5.0	0.5	1.0	
MB2S	200		30	30	5.0	0.5	1.0	
MB4S	400		30	30	5.0	0.5	1.0	
MB6S	600		30	30	5.0	0.5	1.0	
HDBS101G	50	1.0	40	50	5.0	1.0	1.0	SDB-1
HDBS102G	100		40	50	5.0	1.0	1.0	
HDBS103G	200		40	50	5.0	1.0	1.0	
HDBS104G	400		40	50	5.0	1.0	1.3	
HDBS105G	600		40	50	5.0	1.0	1.7	
HDBS106G	800		40	50	5.0	1.0	1.7	
HDBS107G	1000		40	50	5.0	1.0	1.7	
SDB101	50		40	50	10	1.0	1.1	
SDB102	100		40	50	10	1.0	1.1	
SDB103	200		40	50	10	1.0	1.1	
SDB104	400	40	50	10	1.0	1.1		
SDB105	600	40	50	10	1.0	1.1		
SDB106	800	40	50	10	1.0	1.1		
SDB107	1000	40	50	10	1.0	1.1		