



Part Number	Repetitive Peak Reverse Voltage $V_{RRM}$ V	Avg. Forward Current Max. $I_{FAVM@55^{\circ}C}$ mA	Max. Forward Voltage Drop $V_f@I_f$ Per Leg V	Max. Reverse Current $I_R@V_{RRM@25^{\circ}C}$ $\mu A$	Max. Surge Current $I_{FSM}$ (8.3ms) A	Max. Reverse Recovery Time $T_{RR}$ nS	Figure 20 Board Size
<b>HVB, XRB Series - High Voltage Rectifiers</b>							
HVSB100	100000	220	140	2	20	-	A
HVSB150	150000	220	182	2	20	-	A
HVSB200	200000	220	224	2	20	-	A
HVSBF100	100000	220	308	2	10	100	A
HVSBF150	150000	220	364	2	10	100	A
HVSBF200	200000	220	364	2	10	100	A
XRB100	100000	220	160	2	20	-	B
XRB125	125000	220	192	2	20	-	B
XRB150	150000	220	208	2	20	-	B
XRB175	175000	220	256	2	20	-	B
XRB200	200000	220	256	2	20	-	B
XRBF100	100000	220	352	2	10	100	B
XRBF125	125000	220	352	2	10	100	B
XRBF150	150000	220	416	2	10	100	B
XRBF175	175000	220	416	2	10	100	B
XRBF200	200000	220	416	2	10	100	B
XRBF250	250000	220	560	2	10	100	B
XRLB100	100000	220	170	2	20	-	C
XRLB125	125000	220	204	2	20	-	C
XRLB150	150000	220	221	2	20	-	C
XRLB175	175000	220	221	2	20	-	C
XRLB200	200000	220	272	2	20	-	C
XRLBF100	100000	220	374	2	10	100	C
XRLBF125	125000	220	374	2	10	100	C
XRLBF150	150000	220	442	2	10	100	C
XRLBF175	175000	220	442	2	10	100	C
XRLBF200	200000	220	442	2	10	100	C
XRLBF250	250000	220	595	2	10	100	C
HVMB175	175000	220	230	2	20	-	D
HVMB225	225000	220	276	2	20	-	D
HVMB275	275000	220	299	2	20	-	D
HVMB325	325000	220	368	2	20	-	D
HVMBF225	225000	220	506	2	10	100	D
HVMBF325	325000	220	598	2	10	100	D
HVMBF450	450000	220	805	2	10	100	D
HVB200	200000	220	300	2	20	-	E
HVB250	250000	220	360	2	20	-	E
HVB300	300000	220	360	2	20	-	E
HVB350	350000	220	390	2	20	-	E
HVB450	450000	220	480	2	20	-	E
HVBF200	200000	220	660	2	10	100	E
HVBF250	250000	220	660	2	10	100	E
HVBF300	300000	220	660	2	10	100	E
HVBF350	350000	220	780	2	10	100	E
HVBF450	450000	220	780	2	10	100	E
HVBF600	600000	220	1050	2	10	100	E
<b>HVB•, HVBF• - High Voltage Board Center Tap and Doubler (Voltage is Per Leg, Double the Voltage for the Whole Board)</b>							
HVB•75	75000	220	110	2	20	-	F
HVB•100	100000	220	132	2	20	-	F
HVB•125	125000	220	143	2	20	-	F
HVB•150	150000	220	176	2	20	-	F
HVBF•100	100000	220	242	2	10	100	F
HVBF•150	150000	220	286	2	10	100	F
HVBF•200	200000	220	385	2	10	100	F

Notes:  
Where • appears in part number P, N or D should be inserted as appropriate. See explanation at right.

**P=Positive Center Tap**  
**N=Negative Center Cap**  
**D=Doubler**

**Positive Center Tap (P)**

Positive Center Tap 220mA, 75000V/LEG HVBP75

**Negative Center Tap (N)**

Negative Center Tap 220mA, 75000V/LEG HVBN75

**Doubler (D)**

( $I_{FAVM}$  of Doubler is  $I_{FAVM} \times 0.5$ )  
Fast Recovery Doubler 220mA, 75000V/LEG HVBD75

To achieve rated current and voltage, diodes must be submerged in Shell Diala AX electrical insulating oil or equivalent.

Boards over 200kV are only forward voltage tested after assembly, all individual diodes are reverse tested at full rated voltage before assembly.

All listed products shipped on December 31, 2013 or later will be RoHS Compliant. Available earlier by special request, contact factory or sales rep for availability.