



180 Lafayette Road
 North Hampton, NH 03862-2448
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High Voltage X-Ray Board Rectifiers

Standard and Fast Recovery High Voltage
 HVSB(F), XRB(F), XRLB(F), HVMB(F), HVBF(F)

REV A

ELECTRICAL SPECIFICATIONS

Specifications @ T _A = 25°C								
Part Number	Repetitive Peak Reverse Voltage V _{RRM}	Peak Reverse Voltage Test V _{TRM}	AVG. Forward Current Max. I _{FAVM}	MAX Forward Voltage V _F	MAX Reverse Current I _{R @ PIV}	MAX Reverse Recovery Time T _{rr}	MAX Surge Current I _{FSM}	Figure Letter
		*1	T _O =55°C	@220mA	@V _{RRM} *2	*3	8.3ms	
	Volt	Volt	mAmp	Volt	µAmp	nsec	Amp	
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	100	10	A
HVSBF150	150000	-	220	364	2	100	10	A
HVSBF200	200000	-	220	364	2	100	10	A
XRB100	100000	125000	220	160	2	-	20	B
XRB125	125000	150000	220	192	2	-	20	B
XRB150	150000	175000	220	208	2	-	20	B
XRB175	175000	200000	220	256	2	-	20	B
XRB200	200000	225000	220	256	2	-	20	B
XRBF100	100000	125000	220	352	2	100	10	B
XRBF125	125000	150000	220	352	2	100	10	B
XRBF150	150000	175000	220	416	2	100	10	B
XRBF175	175000	200000	220	416	2	100	10	B
XRBF200	200000	225000	220	416	2	100	10	B
XRBF250	250000	275000	220	560	2	100	10	B
XRLB100	100000	125000	220	170	2	-	20	C
XRLB125	125000	150000	220	204	2	-	20	C
XRLB150	150000	175000	220	221	2	-	20	C
XRLB175	175000	200000	220	221	2	-	20	C
XRLB200	200000	225000	220	272	2	-	20	C
XRLBF100	100000	125000	220	374	2	100	10	C
XRLBF125	125000	150000	220	374	2	100	10	C
XRLBF150	150000	175000	220	442	2	100	10	C
XRLBF175	175000	200000	220	442	2	100	10	C
XRLBF200	200000	225000	220	442	2	100	10	C
XRLBF250	250000	275000	220	595	2	100	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	100	10	D
HVMBF325	325000	-	220	598	2	100	10	D
HVMBF450	450000	-	220	805	2	100	10	D

Specifications subject to change without notice.

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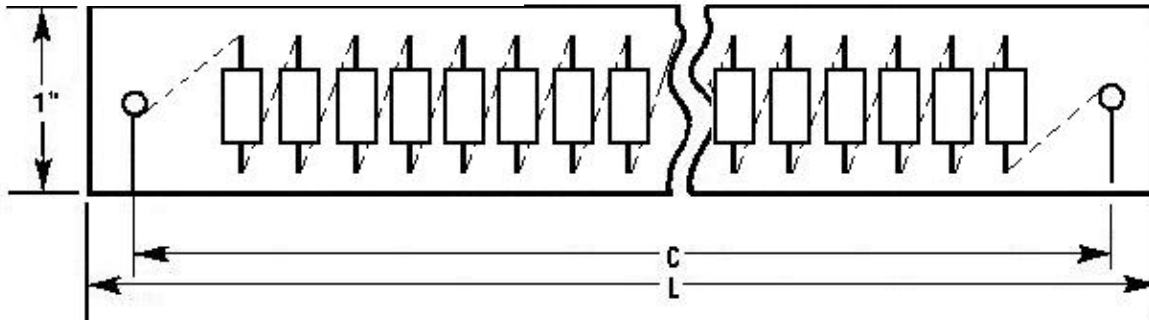
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		*1	T _O =55°C	@220mA	@V _{RRM} *2	*3	8.3ms	
	Volt	Volt	mAmp	Volt	µAmp	nsec	Amp	
HVB200	200000	-	220	300	2	-	20	E
HVB250	250000	-	220	360	2	-	20	E
HVB300	300000	-	220	360	2	-	20	E
HVB350	350000	-	220	390	2	-	20	E
HVB450	450000	-	220	480	2	-	20	E
HVBF200	200000	-	220	660	2	100	10	E
HVBF250	250000	-	220	660	2	100	10	E
HVBF300	300000	-	220	660	2	100	10	E
HVBF350	350000	-	220	780	2	100	10	E
HVBF450	450000	-	220	780	2	100	10	E
HVBF600	600000	-	220	1050	2	100	10	E

*1: Boards are only forward tested after assembly, all individual diodes are reverse tested at full rated voltage before assembly at 10uA leakage.

*2: Boards are only forward tested after assembly, all individual diodes are reverse tested at full rated voltage before assembly.

*3: Test Conditions: 100mA, 200mA, 50mA, T_A = 25°C

MECHANICAL SPECIFICATION



Board Size	Dimension L	Dimension C	Hold Diameter
A	4.17	3.85	0.16
B	6.00	5.60	0.15
C	6.75	6.50	0.16
D	8.60	8.30	0.16
E	10.5	10.00	0.15

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