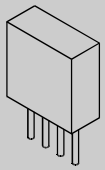
200 V - 1,000 V Single Phase Bridge

1.4 A - 1.5 A Forward Current
70 ns - 3000 ns Recovery Time

1102B - 1110B
1102FB - 1110FB
1102UFB - 1110UFB

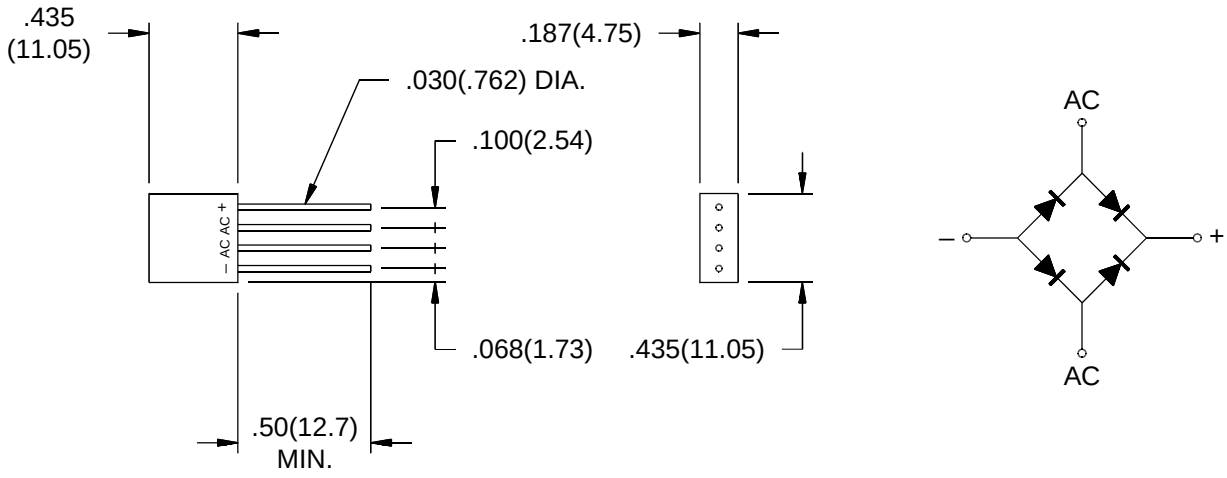


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current @TC (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (1) (Trr)	Thermal Impd. θ_{J-C}
		55°C	100°C	25°C	100°C	25°C		25°C	25°C	25°C	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W
1102B 1106B 1110B	200 600 1000	1.5 1.5 1.5	1.0 1.0 1.0	1.0 1.0 1.0	25 25 25	1.1 1.1 1.1	1.0 1.0 1.0	50 50 50	10 10 10	3000 3000 3000	22.5 22.5 22.5
1102FB 1106FB 1110FB	200 600 1000	1.5 1.5 1.5	1.0 1.0 1.0	1.0 1.0 1.0	25 25 25	1.3 1.3 1.3	1.0 1.0 1.0	25 25 25	6.0 6.0 6.0	150 150 150	22.5 22.5 22.5
1102UFB 1106UFB 1110UFB	200 600 1000	1.4 1.4 1.4	0.9 0.9 0.9	1.0 1.0 1.0	25 25 25	1.7 1.7 1.7	1.0 1.0 1.0	25 25 25	5.0 5.0 5.0	70 70 70	22.5 22.5 22.5

(1)Trr Testing: If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp.= -55°C to +150°C Stg. Temp.= -55°C to +150°C

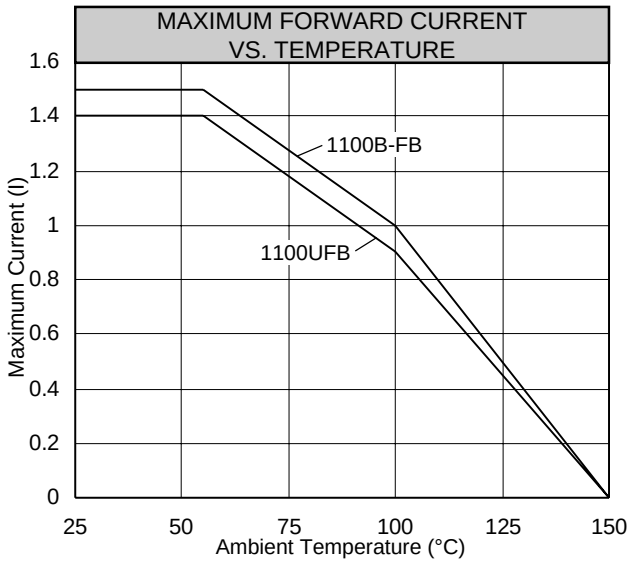
10

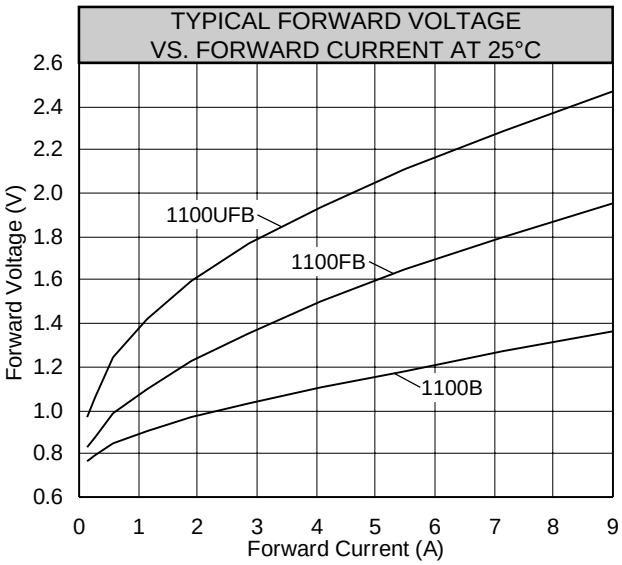


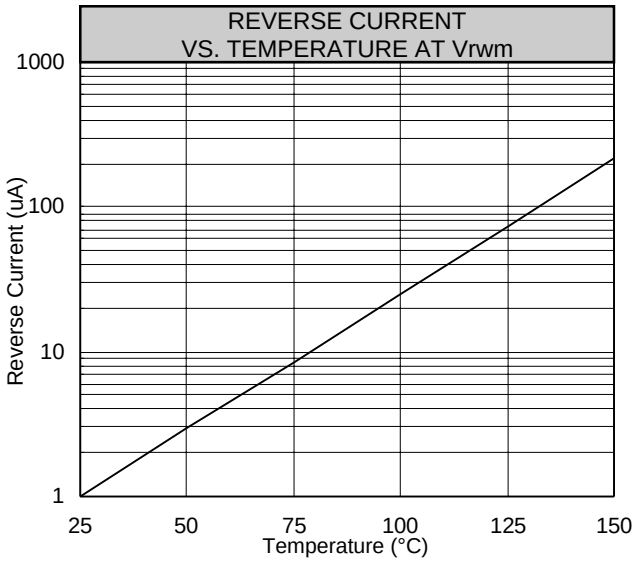
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

TEL 559-651-1402
FAX 559-651-0740
www.voltagemultipliers.com


MAXIMUM FORWARD CURRENT
VS. TEMPERATURE
Maximum Current (I)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1100B-FB
1100UFB
25
50
75
100
125
150
Ambient Temperature (°C)


TYPICAL FORWARD VOLTAGE
VS. FORWARD CURRENT AT 25°C
Forward Voltage (V)
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
1100UFB
1100FB
1100B
0
1
2
3
4
5
6
7
8
9
Forward Current (A)


REVERSE CURRENT
VS. TEMPERATURE AT Vrwm
Reverse Current (uA)
1000
100
10
1
25
50
75
100
125
150
Temperature (°C)