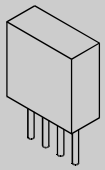
200 V - 1,000 V Single Phase Bridge

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

1102D - 1110D
1102FD - 1110FD
1102UFD - 1110UFD

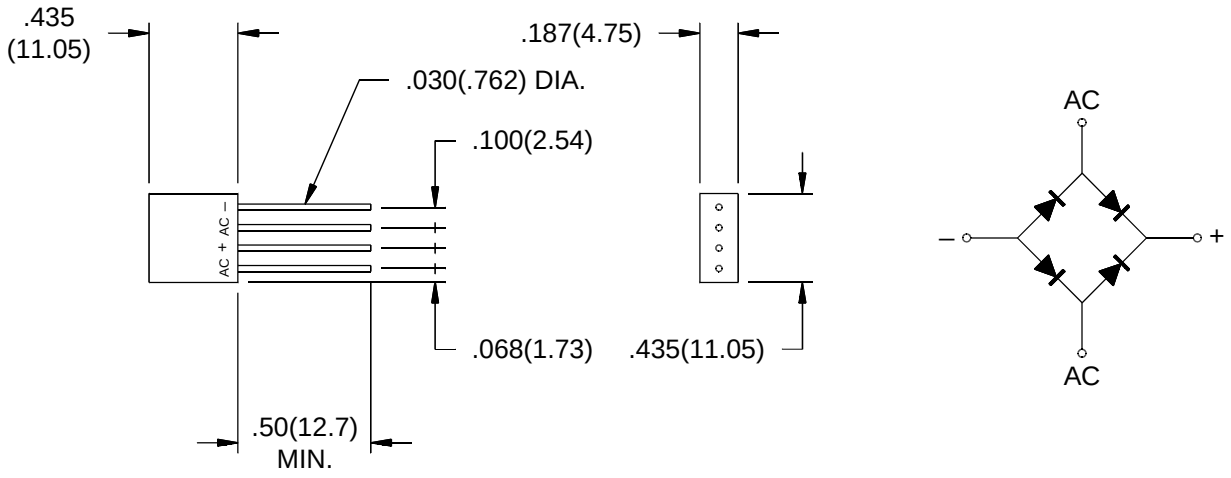


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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
1102D 1106D 1110D	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
1102FD 1106FD 1110FD	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
1102UFD 1106UFD 1110UFD	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

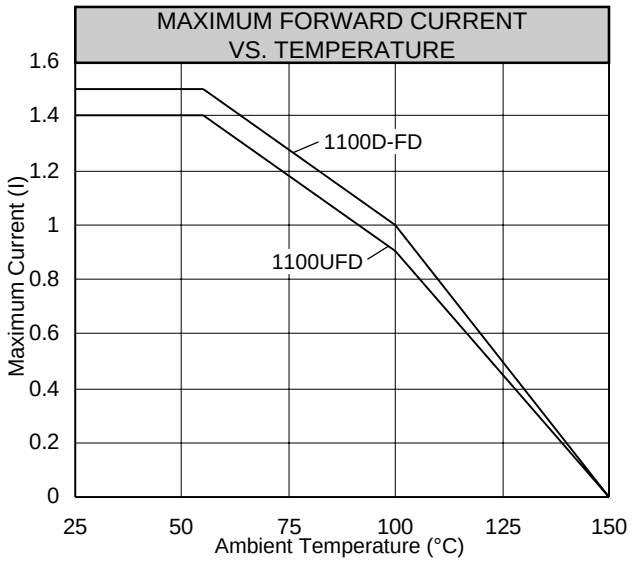
10

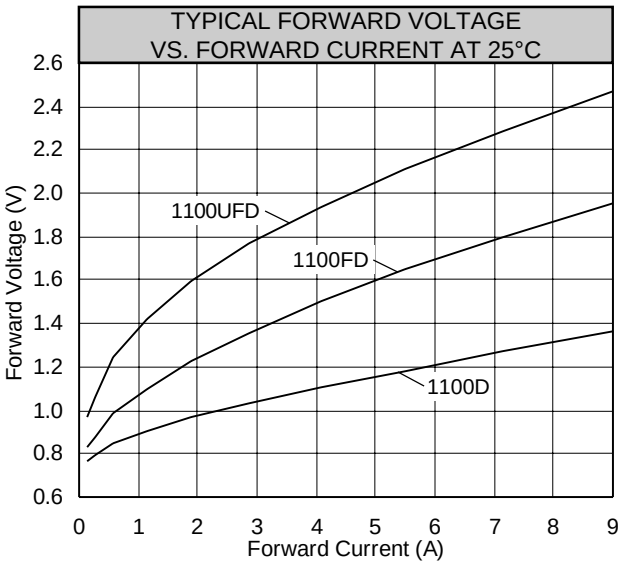


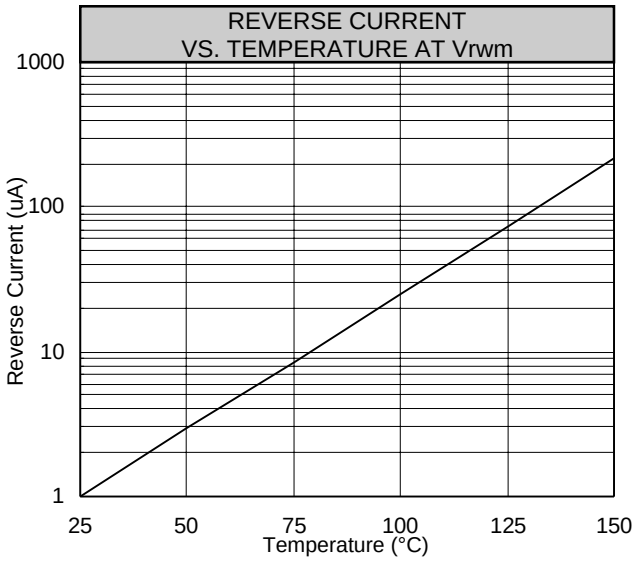
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

VOLTAGE MULTIPLIERS INC.
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Visalia, CA 93291

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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
1100D-FD
1100UFD
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
1100UFD
1100FD
1100D
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)