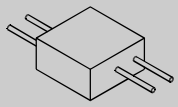
200 V - 1,000 V Single Phase Bridge

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

1102A - 1110A
1102FA - 1110FA
1102UFA - 1110UFA

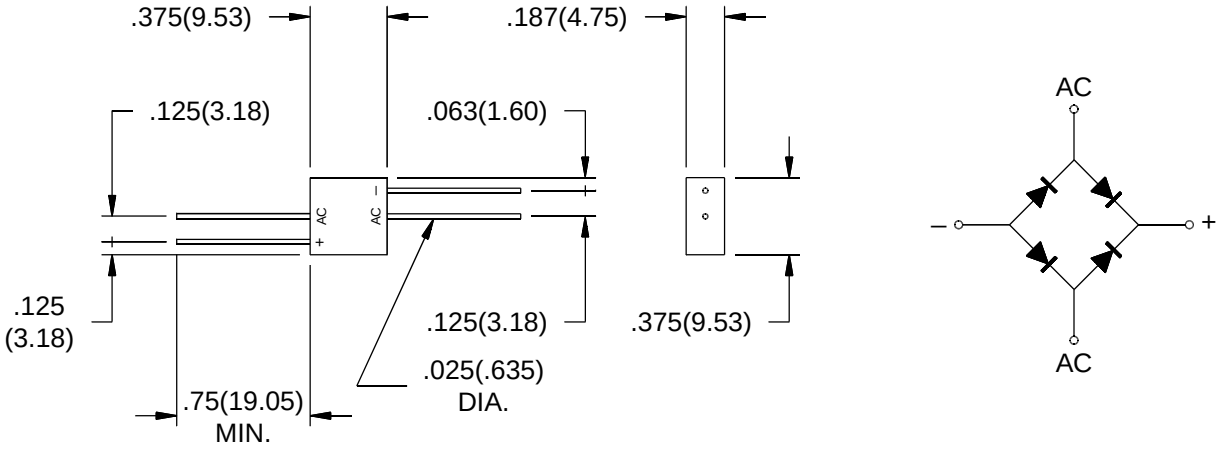


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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
1102A	200	1.5	1.0	1.0	25	1.1	1.0	50	10	3000	22.5
1106A	600	1.5	1.0	1.0	25	1.1	1.0	50	10	3000	22.5
1110A	1000	1.5	1.0	1.0	25	1.1	1.0	50	10	3000	22.5
1102FA	200	1.5	1.0	1.0	25	1.3	1.0	25	6.0	150	22.5
1106FA	600	1.5	1.0	1.0	25	1.3	1.0	25	6.0	150	22.5
1110FA	1000	1.5	1.0	1.0	25	1.3	1.0	25	6.0	150	22.5
1102UFA	200	1.4	0.9	1.0	25	1.7	1.0	25	5.0	70	22.5
1106UFA	600	1.4	0.9	1.0	25	1.7	1.0	25	5.0	70	22.5
1110UFA	1000	1.4	0.9	1.0	25	1.7	1.0	25	5.0	70	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

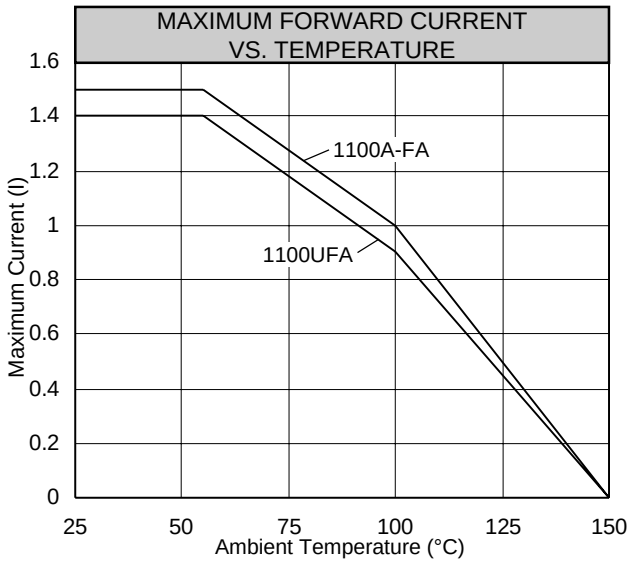
10

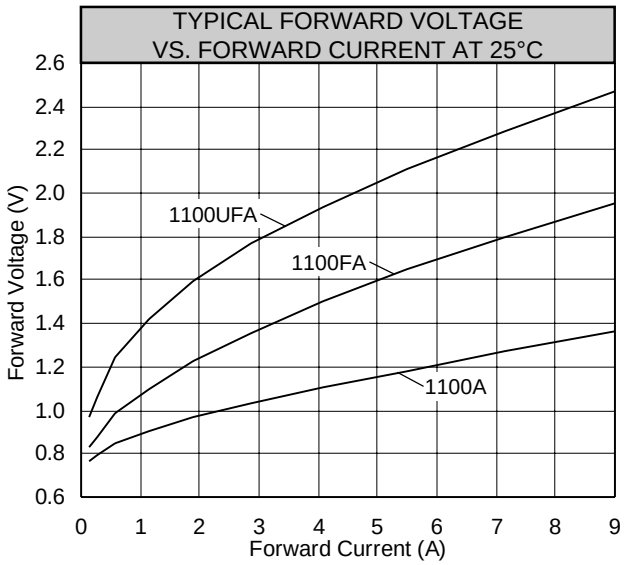


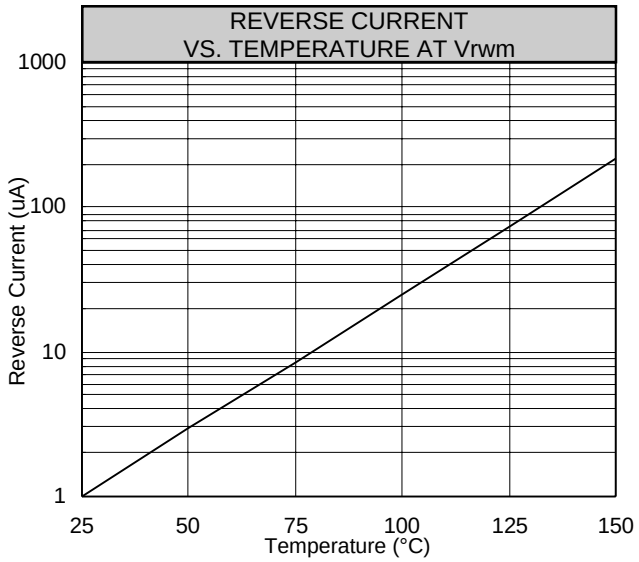
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

VOLTAGE MULTIPLIERS INC.
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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
1100A-FA
1100UFA
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
1100UFA
1100FA
1100A
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)