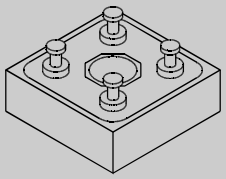
200 V - 1,000 V Single Phase Bridge

4.5 A - 5.0 A Forward Current
70 ns - 3000 ns Recovery Time

1302 - 1310
1302F - 1310F
1302UF - 1310UF

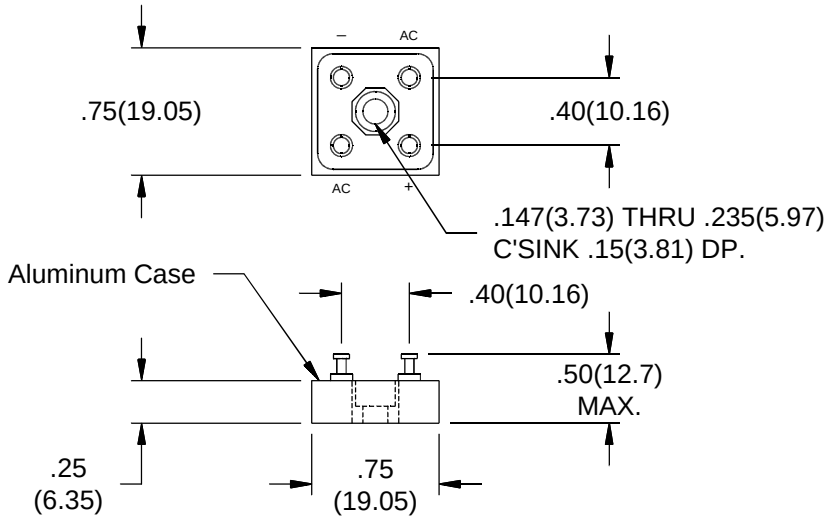


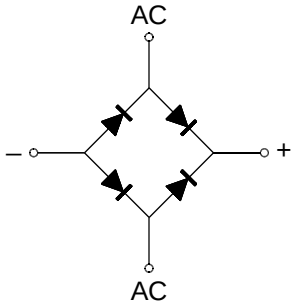
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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
1302	200	5.0	3.5	1.0	25	1.3	3.0	40	10	3000	5.0
1306	600	5.0	3.5	1.0	25	1.3	3.0	40	10	3000	5.0
1310	1000	5.0	3.5	1.0	25	1.3	3.0	40	10	3000	5.0
1302F	200	5.0	3.5	1.0	25	1.6	3.0	25	6	150	5.0
1306F	600	5.0	3.5	1.0	25	1.6	3.0	25	6	250	5.0
1310F	1000	5.0	3.5	1.0	25	1.6	3.0	25	6	500	5.0
1302UF	200	4.5	3.0	1.0	25	2.0	3.0	25	5	70	5.0
1306UF	600	4.5	3.0	1.0	25	2.0	3.0	25	5	70	5.0
1310UF	1000	4.5	3.0	1.0	25	2.0	3.0	25	5	70	5.0

(1)Trr Testing: If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp. & Stg. Temp. = -55°C to +150°C Isolation Voltage: 1500V

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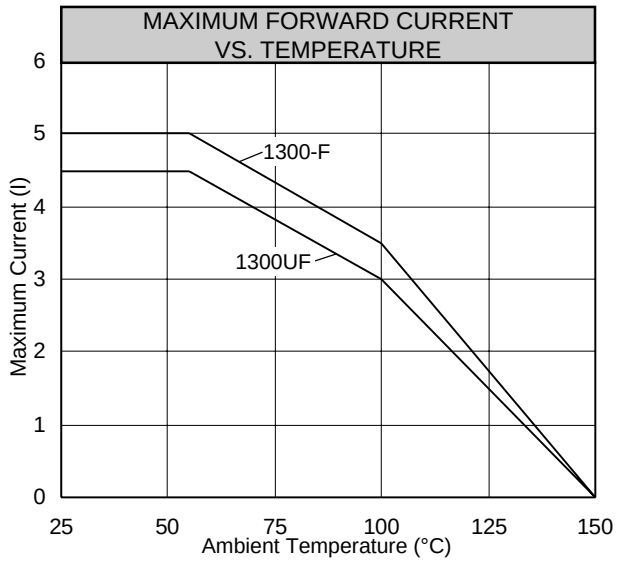


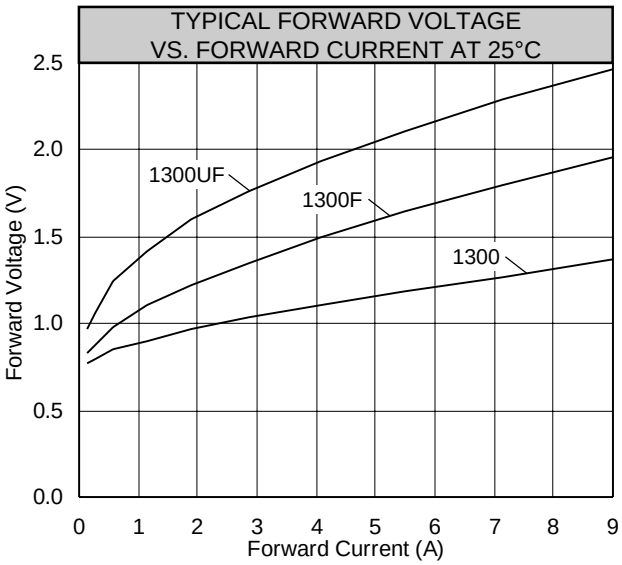


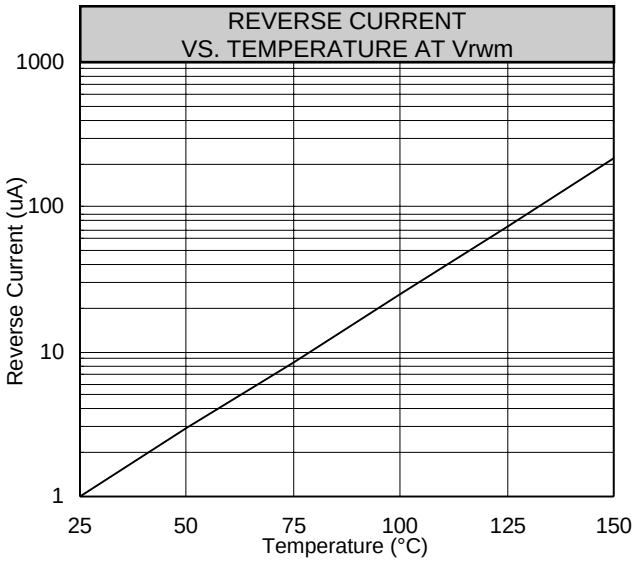
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

VOLTAGE MULTIPLIERS INC.
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Visalia, CA 93291

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www.voltagemultipliers.com


MAXIMUM FORWARD CURRENT
VS. TEMPERATURE
Maximum Current (I)
Ambient Temperature (°C)
1300-F
1300UF
0
1
2
3
4
5
6
25
50
75
100
125
150


TYPICAL FORWARD VOLTAGE
VS. FORWARD CURRENT AT 25°C
Forward Voltage (V)
Forward Current (A)
1300UF
1300F
1300
0.0
0.5
1.0
1.5
2.0
2.5
0
1
2
3
4
5
6
7
8
9


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