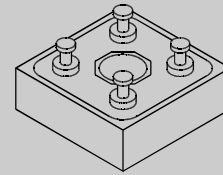


# 200 V - 1,000 V Single Phase Bridge

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

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

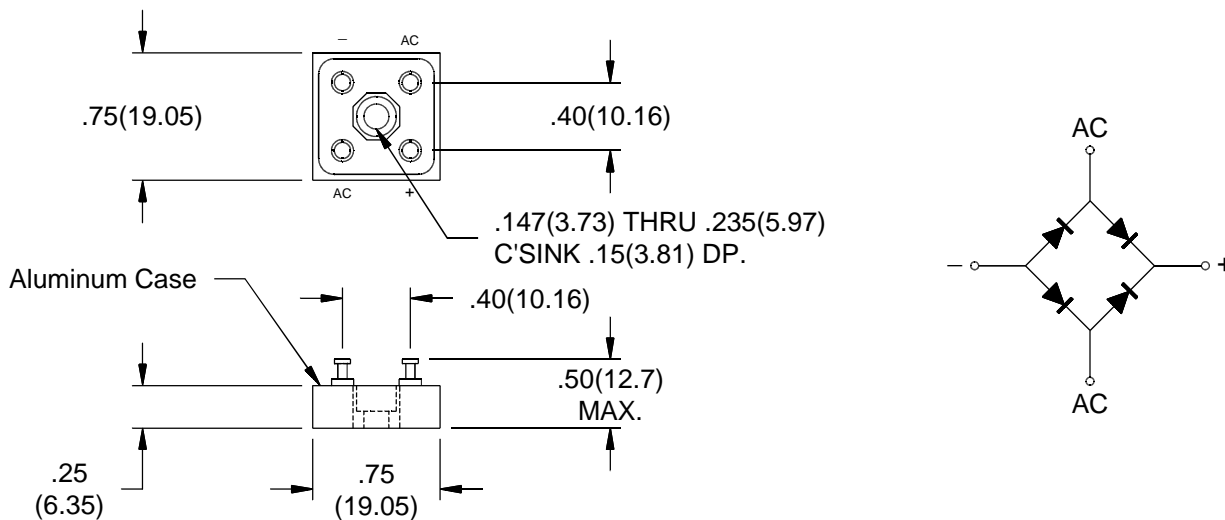


## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rwm</sub> )	Average Rectified Current @TC (I <sub>o</sub> )		Reverse Current @ V <sub>rwm</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current tp=8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (1) (T <sub>rr</sub> )	Thermal Impd. θ <sub>J-C</sub>
		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 1306 1310	200 600 1000	5.0 5.0 5.0	3.5 3.5 3.5	1.0 1.0 1.0	25 25 25	1.3 1.3 1.3	3.0 3.0 3.0	40 40 40	10 10 10	3000 3000 3000	5.0 5.0 5.0
1302F 1306F 1310F	200 600 1000	5.0 5.0 5.0	3.5 3.5 3.5	1.0 1.0 1.0	25 25 25	1.6 1.6 1.6	3.0 3.0 3.0	25 25 25	6 6 6	150 250 500	5.0 5.0 5.0
1302UF 1306UF 1310UF	200 600 1000	4.5 4.5 4.5	3.0 3.0 3.0	1.0 1.0 1.0	25 25 25	2.0 2.0 2.0	3.0 3.0 3.0	25 25 25	5 5 5	70 70 70	5.0 5.0 5.0

(1)T<sub>rr</sub> Testing: I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A \*Op. Temp. & Stg. Temp. = -55°C to +150°C Isolation Voltage: 1500V

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

# 1302 - 1310 • 1302F - 1310F • 1302UF - 1310UF

