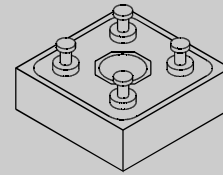


200 V - 1,000 V Single Phase Bridge

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

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

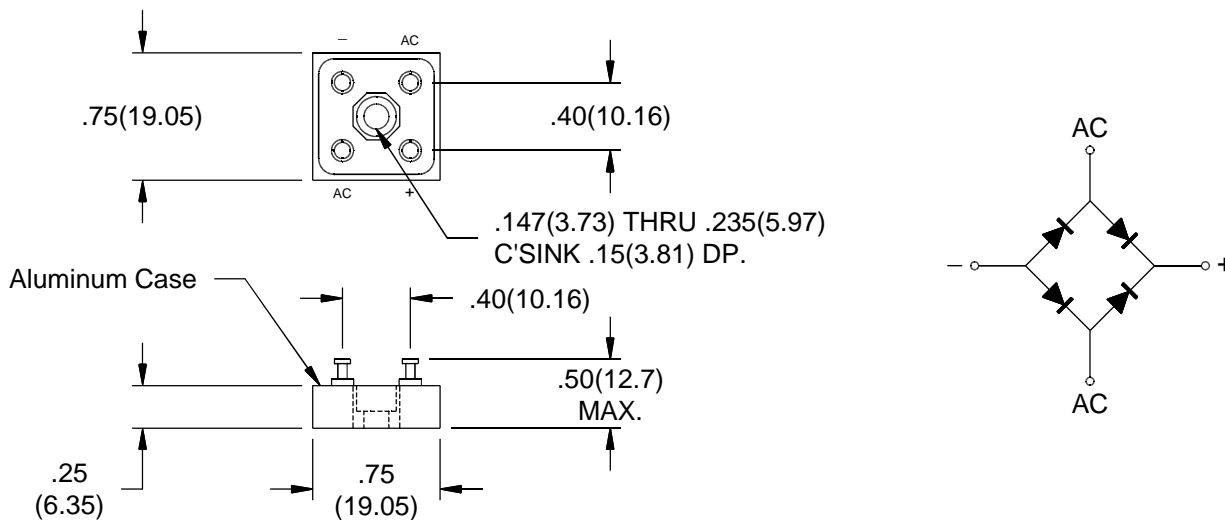


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage (V _{rwm}) | Average Rectified Current @TC (I _o) | | Reverse Current @ V _{rwm} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current tp=8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (1) (T _{rr}) | 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 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_{rr} Testing: I_f=0.5A, I_r=1.0A, I_{rr}=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.



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

