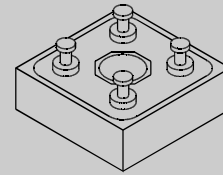


200 V - 1,000 V Single Phase Bridge
12.0 A Forward Current
70 ns - 3000 ns Recovery Time

1402 - 1410
1402F - 1410F
1402UF - 1410UF

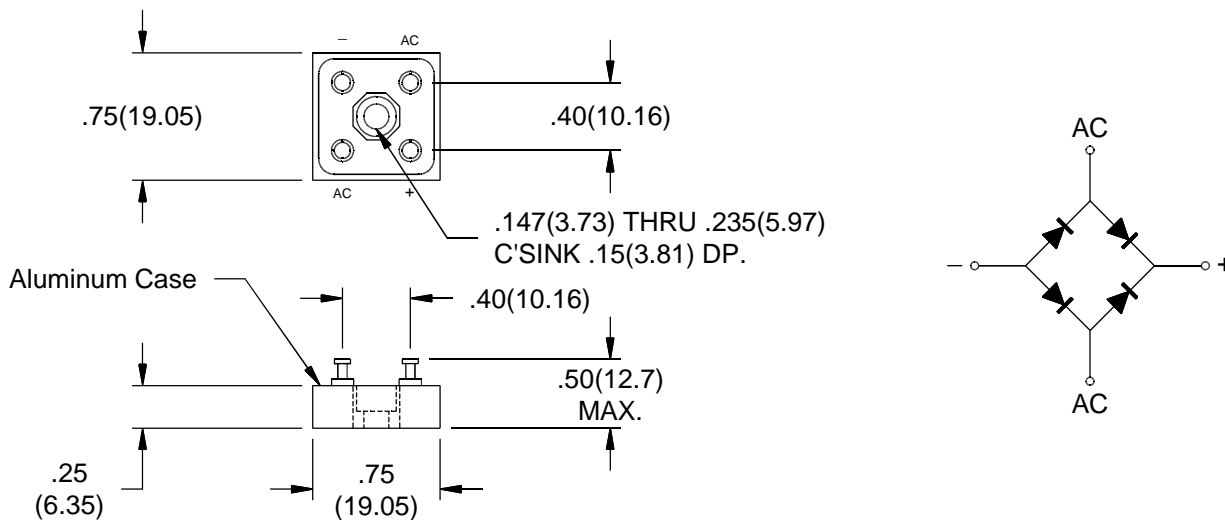


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| 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 |
| 1402 1406 1410 | 200 600 1000 | 12.0 12.0 12.0 | 9.0 9.0 9.0 | 1.0 1.0 1.0 | 25 25 25 | 1.1 1.1 1.1 | 3.0 3.0 3.0 | 150 150 150 | 25 25 25 | 3000 3000 3000 | 3.2 3.2 3.2 |
| 1402F 1406F 1410F | 200 600 1000 | 12.0 12.0 12.0 | 9.0 9.0 9.0 | 1.0 1.0 1.0 | 25 25 25 | 1.2 1.5 1.5 | 3.0 3.0 3.0 | 100 100 100 | 20 20 20 | 150 150 150 | 3.2 3.2 3.2 |
| 1402UF 1406UF 1410UF | 200 600 1000 | 12.0 12.0 12.0 | 9.0 9.0 9.0 | 1.0 1.0 1.0 | 25 25 25 | 1.7 1.7 1.7 | 3.0 3.0 3.0 | 100 100 100 | 20 20 20 | 70 70 70 | 3.2 3.2 3.2 |

(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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1402 - 1410 • 1402F - 1410F • 1402UF - 1410UF

