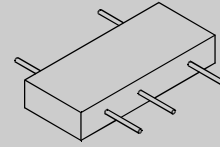


200 V - 1,000 V Three Phase Bridge

2.0 A Forward Current

70 ns - 3000 ns Recovery Time

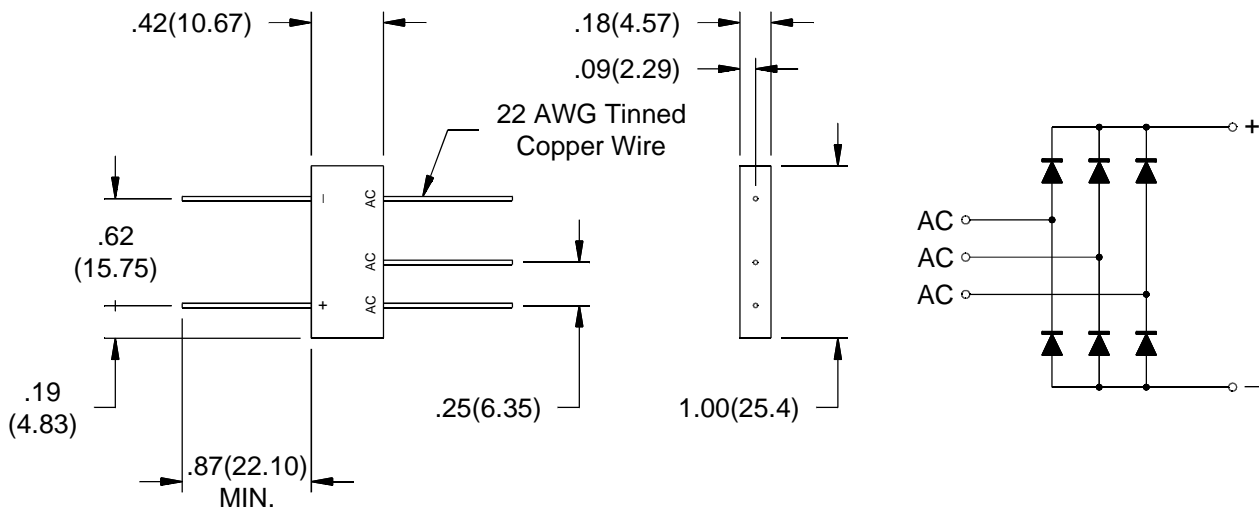
3102 - 3110
3102F - 3110F
3102UF - 3110UF



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 (I _{fsm}) tp=8.3ms | 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 |
| 3102 | 200 | 2.0 | 1.2 | 1.0 | 25 | 1.1 | 1.0 | 30 | 10 | 3000 | 22.0 |
| 3106 | 600 | 2.0 | 1.2 | 1.0 | 25 | 1.1 | 1.0 | 30 | 10 | 3000 | 22.0 |
| 3110 | 1000 | 2.0 | 1.2 | 1.0 | 25 | 1.1 | 1.0 | 30 | 10 | 3000 | 22.0 |
| 3102F | 200 | 2.0 | 1.2 | 1.0 | 25 | 1.3 | 1.0 | 25 | 6 | 150 | 22.0 |
| 3106F | 600 | 2.0 | 1.2 | 1.0 | 25 | 1.3 | 1.0 | 25 | 6 | 150 | 22.0 |
| 3110F | 1000 | 2.0 | 1.2 | 1.0 | 25 | 1.3 | 1.0 | 25 | 6 | 150 | 22.0 |
| 3102UF | 200 | 2.0 | 1.2 | 1.0 | 25 | 1.7 | 1.0 | 25 | 5 | 70 | 22.0 |
| 3106UF | 600 | 2.0 | 1.2 | 1.0 | 25 | 1.7 | 1.0 | 25 | 5 | 70 | 22.0 |
| 3110UF | 1000 | 2.0 | 1.2 | 1.0 | 25 | 1.7 | 1.0 | 25 | 5 | 70 | 22.0 |

(1)T_{rr} Testing: I_f=0.5A, I_r=1.0A, I_{rr}=0.25A *Op. Temp.= -55°C to +150°C Stg. Temp.= -55°C to +150°C



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



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3102 - 3110 • 3102F - 3110F • 3102UF - 3110UF

