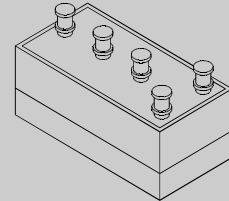


200 V - 1,000 V Three Phase Bridge

30.0 A - 40.0 A Forward Current

70 ns - 3000 ns Recovery Time

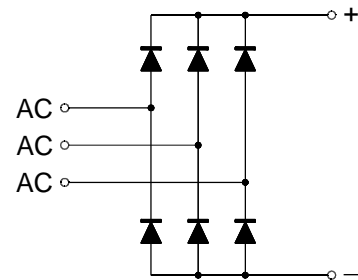
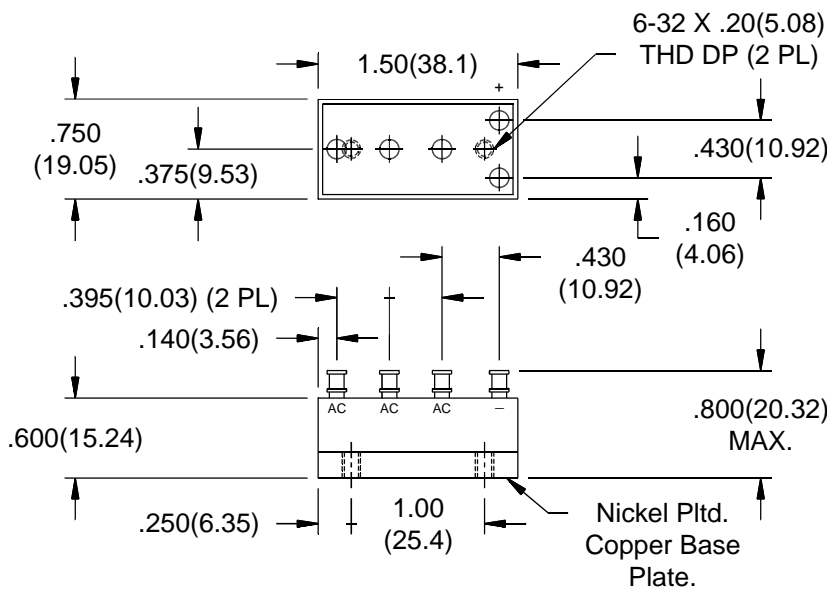
LTI602 - LTI610
LTI602F - LTI610F
LTI602UF - LTI610UF



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 | °C/W |
| | | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | |
| LTI602 LTI606 LTI610 | 200 600 1000 | 40.0 40.0 40.0 | 28.0 28.0 28.0 | 1.0 1.0 1.0 | 25 25 25 | 1.1 1.1 1.2 | 9.0 9.0 9.0 | 150 150 150 | 25 25 25 | 3000 3000 3000 | 0.75 0.75 0.75 |
| LTI602F LTI606F LTI610F | 200 600 1000 | 40.0 40.0 40.0 | 28.0 28.0 28.0 | 1.0 1.0 1.0 | 25 25 25 | 1.5 1.5 1.6 | 9.0 9.0 9.0 | 100 100 100 | 25 25 25 | 150 150 150 | 0.75 0.75 0.75 |
| LTI602UF LTI606UF LTI610UF | 200 600 1000 | 30.0 30.0 30.0 | 21.0 21.0 21.0 | 1.0 1.0 1.0 | 25 25 25 | 1.7 1.7 2.1 | 9.0 9.0 9.0 | 100 100 100 | 25 25 25 | 70 70 70 | 0.75 0.75 0.75 |

(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: 2000V



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



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LTI602 - LTI610 • LTI602F - LTI610F • LTI602UF - LTI610UF

