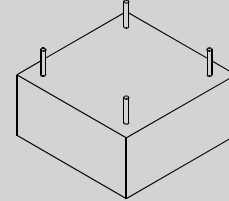


5,000 V - 20,000 V Single Phase Bridge

2.0 A Forward Current

70 ns Recovery Time

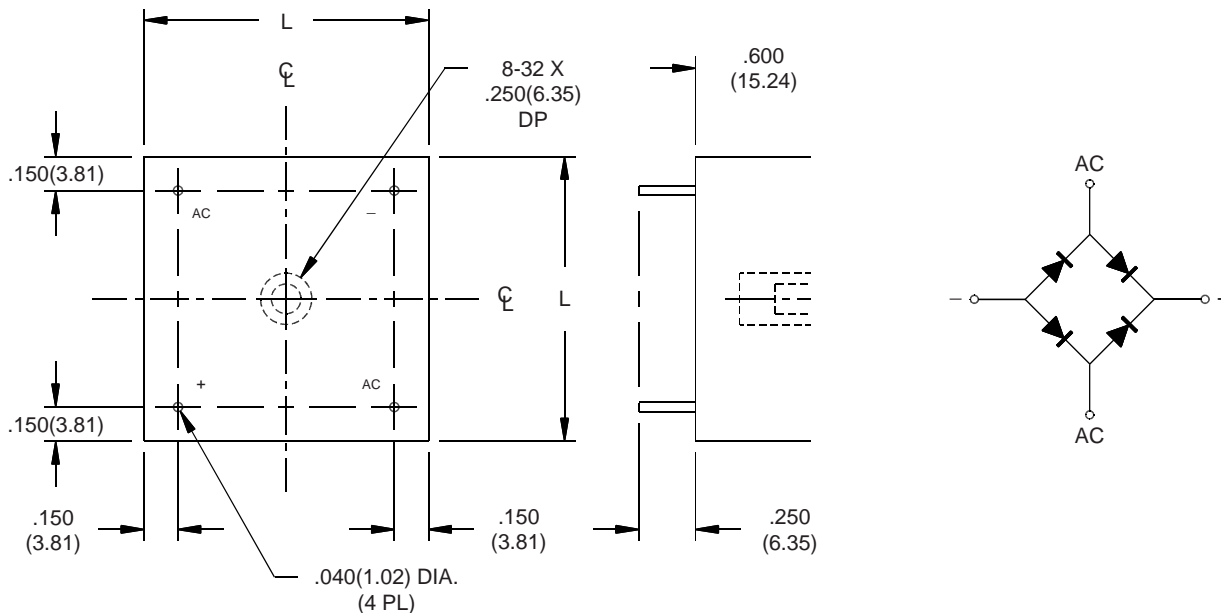
SPB50UFA
SPB100UFA
SPB150UFA
SPB200UFA



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage (Vrwm) | Average Rectified Current (Io) | | | Reverse Current @ Vrwm (Ir) | | Forward Voltage (Vf) | | 1 Cycle Surge Current tp=8.3ms (Ifsm) | Repetitive Surge Current (Ifrm) | Reverse Recovery Time (1) (Trr) | Case Length (L) |
|-------------|-----------------------------------|-----------------------------------|----------|-------------|--------------------------------|-------|-------------------------|------|---|------------------------------------|------------------------------------|-----------------|
| | | 70°C | 55°C | 25°C | 25°C | 100°C | 25°C | 25°C | | | | |
| | | Oil | Heatsink | No Heatsink | | | | | | | | |
| | Volts | Amps | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | in. |
| SPB50UFA | 5000 | 2.0 | 1.5 | 0.70 | 1.0 | 25 | 12.0 | 1.5 | 50 | 10 | 70 | 1.50 |
| SPB100UFA | 10000 | 2.0 | 1.5 | 0.70 | 1.0 | 25 | 18.0 | 1.5 | 50 | 10 | 70 | 1.75 |
| SPB150UFA | 15000 | 2.0 | 1.5 | 0.70 | 1.0 | 25 | 30.0 | 1.5 | 50 | 10 | 70 | 2.25 |
| SPB200UFA | 20000 | 2.0 | 1.5 | 0.70 | 1.0 | 25 | 36.0 | 1.5 | 50 | 10 | 70 | 2.50 |

(1)Trr Testing: If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp.= -55°C to +150°C Stg. Temp.= -55°C to +150°C



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



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SPB50UFA SPB100UFA SPB150UFA SPB200UFA

