RoHS
COMPLIANT

- UL recognition, file #E313149
- Ideal for automated placement
- Glass passivated chip junction
- High surge current capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

General purpose use in high frequency AC/DC bridge full wave rectification for power supply, lighting ballast, battery charger, home appliances, office equipment, and telecommunication applications.

- : MBLS
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated lead

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|---|---|---|---|---|---|
| Maximum DC blocking Voltage | $V_{DC}$ | V | 600 | 800 | 1000 |
| Average rectified output current @60Hz sine wave, R-load, Tc=115 | $I_O$ | A | 1.0 | | |
| Forward Surge Current (Non-repetitive) @8.3ms Half-sine wave,1 cycle, Tj=25 | $I_{FSM}$ | A | 30 | | |
| Current squared time @1ms≤t≤8.3ms Tj=25 ,rating of per diode | $I^2t$ | $A^2S$ | 3.7 | | |
| Storage temperature | $T_{stg}$ | | -55 ~ +150 | | |
| Junction temperature | Tj | | -55 ~ +150 | | |

■ $T_a$=25 Unless otherwise specified

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|---|---|---|---|---|---|---|
| Maximum reverse recovery time | $t_{rr}$ | ns | $I_F$=0.5A,$I_R$=1.0A, $I_{rr}$=0.25A | 75 | | |
| Maximum instantaneous forward voltage drop per diode | $V_F$ | V | $I_{FM}$=0.5A | 1.7 | | |
| Maximum DC reverse current at rated DC blocking voltage per diode | $I_R$ | μA | $T_j$ =25 | 5 | | |
| | | | $T_j$ =125 | 100 | | |
| Typical junction capacitance | Cj | pF | Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C | 12 | | |

■ $T_a$=25 Unless otherwise specified

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|---|---|---|---|---|---|---|
| Typical Thermal Resistance | Between junction and ambient | $R_{\theta J-A}$ | /W | 65.0 | | |
| | Between junction and lead | $R_{\theta J-L}$ | | 28.0 | | |
| | Between junction and case | $R_{\theta J-C}$ | | 18.0 | | |

Note: Device mounted on P.C.B with 35mm*25mm*1.7mm.

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or