





## **Features**

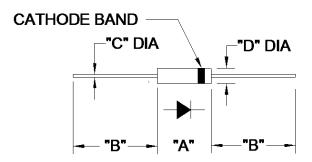
- Fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a) and EU RoHS Directive (EU) 2015/863 of March 2015, Amending Annex II.



## **DEVICE ELECTRICAL CHARACTERISTICS**

| ( 25°C ambient temperature unless stated otherwise) | Conditions                                 | Symbol            | Value          |
|-----------------------------------------------------|--------------------------------------------|-------------------|----------------|
| Maximum Repetitive Peak Reverse Voltage             |                                            | $V_{RRM}$         | 15,000 Volts   |
| Average Forward Current Maximum                     | $T_A = 55^{\circ}C$                        | I <sub>FAVM</sub> | 25 mA          |
| Maximum Forward Voltage Drop                        | $I_F = 10mA$                               | $V_{F}$           | 25 Volts       |
| Maximum Surge Current Rating                        | 8.3msec, half sine                         | I <sub>FSM</sub>  | 3 Amps         |
| Maximum Reverse Current                             | at rated V <sub>RRM</sub>                  | I <sub>R</sub>    | 0.2 μΑ         |
| Maximum Reverse Recovery Time                       | $I_F$ =20mA, $I_R$ = 40mA, $I_{RR}$ = 10mA | $T_RR$            | 100 ηsec       |
| Typical Junction Capacitance                        | $f = 1MHz, V_R = 0 VDC$                    | C₁                | 0.26 pf        |
| Maximum Junction Temperature                        | -                                          | Τ <sub>J</sub>    | 125°C          |
| Storage Temperature Range                           | -                                          | T <sub>STG</sub>  | -40°C to 150°C |

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|-----------------|--------|------|------|--------|------|
| MECHANICAL DATA | Symbol | in.  | mm   | in.    | mm   |
| Body Length     | Α      | -    | -    | 0.40   | 10.2 |
| Body Diameter   | D      | -    | -    | 0.12   | 3.1  |
| Lead Length     | В      | .95  | 24.2 | -      | -    |
| Lead Diameter   | С      | -    | -    | 0.024  | 0.61 |



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EFFECTIVE: 24 MARCH 2016

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