

# Central<sup>TM</sup> Semiconductor Corp.

145 Adams Avenue, Hauppauge, NY 11788 USA  
Tel: (631) 435-1110 • Fax: (631) 435-1824

Manufacturers of World Class Discrete Semiconductors

1N6267A THRU 1N6303A  
1.5KW TRANSIENT SUPPRESSOR  
5% TOLERANCE

EPOXY MOLDED AXIAL LEAD CASE

The CENTRAL SEMICONDUCTOR 1N6267A Series types are Epoxy Molded Axial Lead Transient Suppressors designed to protect voltage sensitive components from high voltage transients.

MAXIMUM RATINGS ( $T_L=25^\circ\text{C}$  unless otherwise noted)

Peak Power Dissipation (1.0ms)

Steady State Power Dissipation ( $T_L=75^\circ\text{C}$ , L.L.=3/8")

Forward Surge Current

Operating and Storage Junction Temperature

SYMBOL

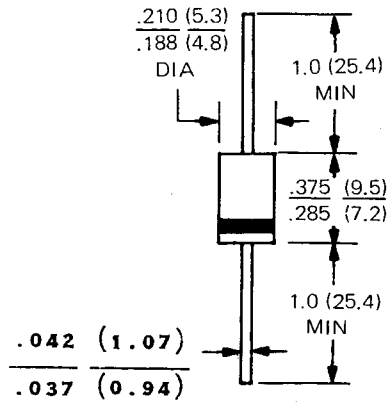
UNIT

|                                   |             |    |
|-----------------------------------|-------------|----|
| P <sub>DM</sub>                   | 1500        | W  |
| P <sub>D</sub>                    | 5.0         | W  |
| I <sub>FSM</sub>                  | 200         | A  |
| T <sub>J</sub> , T <sub>stg</sub> | -65 TO +175 | °C |

ELECTRICAL CHARACTERISTICS ( $T_A=25^\circ\text{C}$ )

| TYPE NO. | V <sub>BR</sub> @ I <sub>T</sub><br>(V) | I <sub>T</sub><br>(mA) | V <sub>RWM</sub><br>(V) | I <sub>R</sub> @ V <sub>RWM</sub><br>( $\mu\text{A}$ ) | I <sub>RSM</sub><br>(A) | V <sub>RSM</sub> @ I <sub>RSM</sub><br>(V) | V <sub>BR</sub> TEMP. COEF.<br>(%/°C) |
|----------|---|------------------------|-------------------------|--|-------------------------|--|---------------------------------------|
| 1N6267A  | 6.8                                     | 10                     | 5.80                    | 1000   | 143                     | 10.5                                       | 0.057                                 |
| 1N6268A  | 7.5                                     | 10                     | 6.40                    | 500  | 132                     | 11.3                                       | 0.061                                 |
| 1N6269A  | 8.2                                     | 10                     | 7.02                    | 200  | 124                     | 12.1                                       | 0.065                                 |
| 1N6270A  | 9.1                                     | 1.0                    | 7.78                    | 50   | 112                     | 13.4                                       | 0.068                                 |
| 1N6271A  | 10                                      | 1.0                    | 8.55                    | 10   | 103                     | 14.5                                       | 0.073                                 |
| 1N6272A  | 11                                      | 1.0                    | 9.40                    | 5.0  | 96                      | 15.6                                       | 0.075                                 |
| 1N6273A  | 12                                      | 1.0                    | 10.2                    | 5.0  | 90                      | 16.7                                       | 0.078                                 |
| 1N6274A  | 13                                      | 1.0                    | 11.1                    | 5.0  | 82                      | 18.2                                       | 0.081                                 |
| 1N6275A  | 15                                      | 1.0                    | 12.8                    | 5.0  | 71                      | 21.2                                       | 0.084                                 |
| 1N6276A  | 16                                      | 1.0                    | 13.6                    | 5.0  | 67                      | 22.5                                       | 0.086                                 |
| 1N6277A  | 18                                      | 1.0                    | 15.3                    | 5.0  | 59.5                    | 25.2                                       | 0.088                                 |
| 1N6278A  | 20                                      | 1.0                    | 17.1                    | 5.0  | 54                      | 27.7                                       | 0.090                                 |
| 1N6279A  | 22                                      | 1.0                    | 18.8                    | 5.0  | 49                      | 30.6                                       | 0.092                                 |
| 1N6280A  | 24                                      | 1.0                    | 20.5                    | 5.0  | 45                      | 33.2                                       | 0.094                                 |
| 1N6281A  | 27                                      | 1.0                    | 23.1                    | 5.0  | 40                      | 37.5                                       | 0.096                                 |
| 1N6282A  | 30                                      | 1.0                    | 25.6                    | 5.0  | 36                      | 41.4                                       | 0.097                                 |
| 1N6283A  | 33                                      | 1.0                    | 28.2                    | 5.0  | 33                      | 45.7                                       | 0.098                                 |
| 1N6284A  | 36                                      | 1.0                    | 30.8                    | 5.0  | 30                      | 49.9                                       | 0.099                                 |
| 1N6285A  | 39                                      | 1.0                    | 33.3                    | 5.0  | 28                      | 53.9                                       | 0.100                                 |
| 1N6286A  | 43                                      | 1.0                    | 36.8                    | 5.0  | 25.3                    | 59.3                                       | 0.101                                 |
| 1N6287A  | 47                                      | 1.0                    | 40.2                    | 5.0  | 23.2                    | 64.8                                       | 0.101                                 |
| 1N6288A  | 51                                      | 1.0                    | 43.6                    | 5.0  | 21.4                    | 70.1                                       | 0.102                                 |
| 1N6289A  | 56                                      | 1.0                    | 47.8                    | 5.0  | 19.5                    | 77   | 0.103                                 |
| 1N6290A  | 62                                      | 1.0                    | 53                      | 5.0  | 17.7                    | 85   | 0.104                                 |
| 1N6291A  | 68                                      | 1.0                    | 58.1                    | 5.0  | 16.3                    | 92   | 0.104                                 |
| 1N6292A  | 75                                      | 1.0                    | 64.1                    | 5.0  | 14.6                    | 103  | 0.105                                 |
| 1N6293A  | 82                                      | 1.0                    | 70.1                    | 5.0  | 13.3                    | 113  | 0.105                                 |
| 1N6294A  | 91                                      | 1.0                    | 77.8                    | 5.0  | 12                      | 125  | 0.106                                 |
| 1N6295A  | 100                                     | 1.0                    | 85.5                    | 5.0  | 11                      | 137  | 0.106                                 |
| 1N6296A  | 110                                     | 1.0                    | 94                      | 5.0  | 9.9                     | 152  | 0.107                                 |
| 1N6297A  | 120                                     | 1.0                    | 102                     | 5.0  | 9.1                     | 165  | 0.107                                 |
| 1N6298A  | 130                                     | 1.0                    | 111                     | 5.0  | 8.4                     | 179  | 0.107                                 |
| 1N6299A  | 150                                     | 1.0                    | 128                     | 5.0  | 7.2                     | 207  | 0.108                                 |
| 1N6300A  | 160                                     | 1.0                    | 136                     | 5.0  | 6.8                     | 219  | 0.108                                 |
| 1N6301A  | 170                                     | 1.0                    | 145                     | 5.0  | 6.4                     | 234  | 0.108                                 |
| 1N6302A  | 180                                     | 1.0                    | 154                     | 5.0  | 6.1                     | 246  | 0.108                                 |
| 1N6303A  | 200                                     | 1.0                    | 171                     | 5.0  | 5.5                     | 274  | 0.108                                 |

OUTLINE DRAWING



Dimensions in inches and (millimeters)