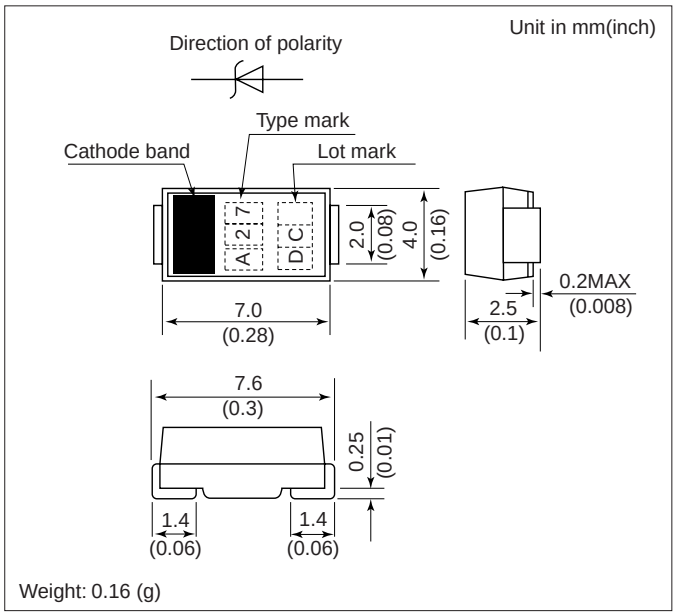
# DAM3MA

## FEATURES

- High transient reverse power capability suitable for protecting automobile electronic components etc.
- High heat-resistant due to glass passivation.

## OUTLINE DRAWING




Weight: 0.16 (g)

## ABSOLUTE MAXIMUM RATINGS

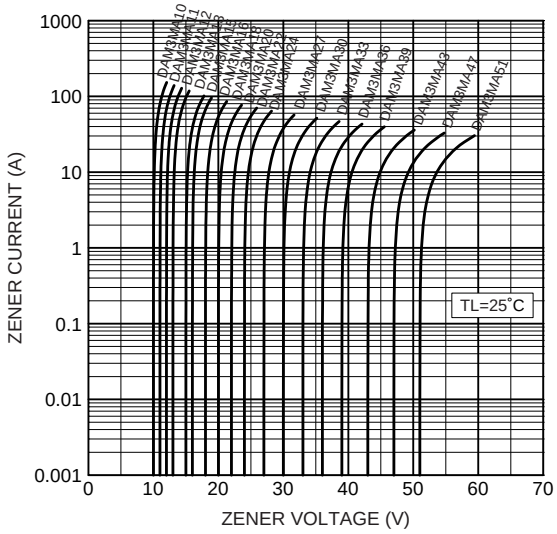
| Items | Symbols | Units | Ratings |
|---|---|---|---|
| Non-Repetitive Peak Reverse One-Cycle Dissipation | $P_{RSM}$ | W | 1800(Rectangular pulse t=0.1ms $T_i$=25°C start) |
| Operating Junction Temperature | $T_j$ | °C | -40 ~ +150 |
| Storage Temperature | $T_{stg}$ | °C | -40 ~ +150 |
| DC Reverse Voltage | $V_{DC}$ | V | Refer to characteristics column |

## CHARACTERISTICS($T_L$=25°C)

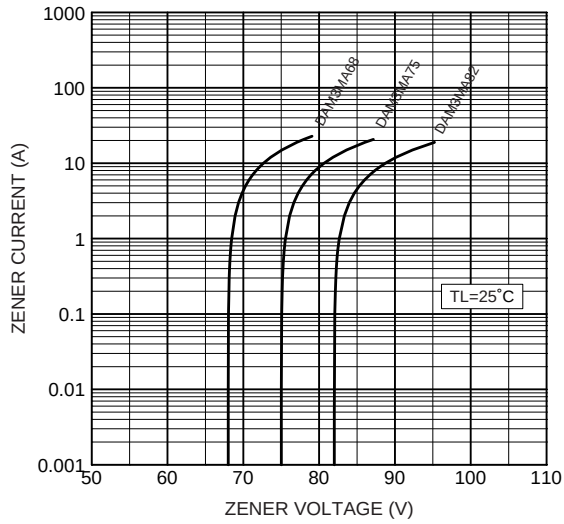
| Type | DC Reverse Voltage $V_{DC}$ (V) | Characteristics | | | | Maximum Reverse Current | |
|---|---|---|---|---|---|---|---|
| | | Zener Voltage Vz (V) | | Maximum Dynamic Impedance Zz (ohm) | Test Current Iz (mA) | | |
| | | Minimum | Maximum | | | $I_{RRM}$ (μA) | $V_R$ (V) |
| DAM3MA10 | 7 | 9.4 | 10.6 | 15 | 75 | 10 | 7 |
| DAM3MA11 | 8 | 10.4 | 11.6 | 15 | 75 | 10 | 8 |
| DAM3MA12 | 9 | 11.4 | 12.7 | 15 | 75 | 10 | 9 |
| DAM3MA13 | 10 | 12.4 | 14.1 | 15 | 75 | 10 | 10 |
| DAM3MA15 | 11 | 13.5 | 15.6 | 15 | 75 | 10 | 11 |
| DAM3MA16 | 12 | 15.3 | 17.1 | 15 | 75 | 10 | 12 |
| DAM3MA18 | 13 | 16.8 | 19.1 | 15 | 45 | 10 | 13 |
| DAM3MA20 | 14 | 18.8 | 21.2 | 15 | 45 | 10 | 14 |
| DAM3MA22 | 16 | 20.8 | 23.3 | 15 | 45 | 10 | 16 |
| DAM3MA24 | 18 | 22.7 | 25.6 | 15 | 30 | 10 | 18 |
| DAM3MA27 | 20 | 25.1 | 28.9 | 15 | 30 | 10 | 20 |
| DAM3MA30 | 22 | 28.0 | 32.0 | 15 | 30 | 10 | 22 |
| DAM3MA33 | 24 | 31.0 | 35.0 | 15 | 30 | 10 | 24 |
| DAM3MA36 | 26 | 33.4 | 38.6 | 15 | 30 | 10 | 26 |
| DAM3MA39 | 28 | 36.1 | 41.9 | 30 | 20 | 10 | 28 |
| DAM3MA43 | 31 | 39.8 | 46.2 | 30 | 20 | 10 | 31 |
| DAM3MA47 | 34 | 43.3 | 50.7 | 30 | 20 | 10 | 34 |
| DAM3MA51 | 37 | 46.9 | 55.1 | 30 | 20 | 10 | 37 |
| DAM3MA68 | 49 | 61.2 | 74.8 | 60 | 10 | 5 | 55 |
| DAM3MA75 | 54 | 67.5 | 82.5 | 60 | 10 | 5 | 61 |
| DAM3MA82 | 59 | 73.8 | 90.2 | 60 | 10 | 5 | 66 |

# DAM3MA

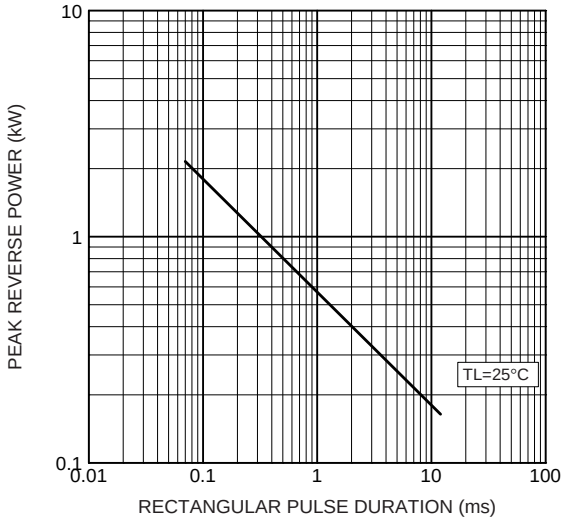
Typical zener characteristics ( Vz:10~51V)



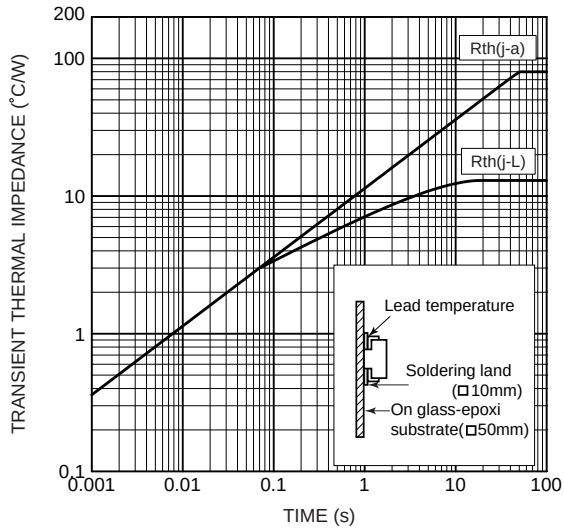

Typical zener characteristics ( Vz:68~82V)




Typical reverse power characteristic
(Rectangular pulse non-repetitive)




Transient thermal impedance



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