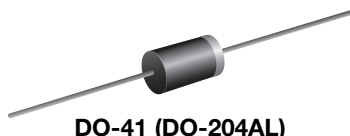


# TRANSZORB® Transient Voltage Suppressors



DO-41 (DO-204AL)

## FEATURES

- Glass passivated chip junction
- Available in unidirectional and bidirectional
- 400 W peak pulse power capability with a 10/1000  $\mu$ s waveform, repetitive rate (duty cycle): 0.01 %
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Solder dip 275 °C max. 10 s, per JESD 22-B106
- AEC-Q101 qualified
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



## PRIMARY CHARACTERISTICS

|                                 |                               |
|---------------------------------|-------------------------------|
| $V_{WM}$                        | 5.8 V to 376 V                |
| $V_{BR}$ (unidirectional)       | 6.45 V to 462 V               |
| $V_{BR}$ (bidirectional)        | 6.45 V to 462 V               |
| $P_{PPM}$                       | 400 W                         |
| $P_D$                           | 1.5 W                         |
| $I_{FSM}$ (unidirectional only) | 40 A                          |
| $T_J$ max.                      | 175 °C                        |
| Polarity                        | Unidirectional, bidirectional |
| Package                         | DO-41 (DO-204AL)              |

## DEVICES FOR BIDIRECTION APPLICATIONS

For bidirectional types, use B suffix (e.g. BZW04P-6V4B).

Electrical characteristics apply in both directions.

## TYPICAL APPLICATIONS

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, and telecommunication.

## MECHANICAL DATA

**Case:** DO-41 (DO-204AL), molded epoxy over passivated chip

Molding compound meets UL 94 V-0 flammability rating  
Base P/N-E3 - RoHS-compliant, commercial grade  
Base P/NHE3 - RoHS-compliant, AEC-Q101 qualified

**Terminals:** matte tin plated leads, solderable per J-STD-002 and JESD22-B102

E3 suffix meets JESD 201 class 1A whisker test, HE3 suffix meets JESD 201 class 2 whisker test

### Note

- BZW04-213(B) to BZW04-376(B) for commercial grade only

**Polarity:** for unidirectional types the color band denotes cathode end, no marking on bidirectional types

## MAXIMUM RATINGS AND THERMAL CHARACTERISTICS ( $T_A = 25$ °C unless otherwise noted)

| PARAMETER                                                                                   | SYMBOL         | LIMIT          | UNIT |
|---------------------------------------------------------------------------------------------|----------------|----------------|------|
| Peak pulse power dissipation with a 10/1000 $\mu$ s waveform <sup>(1)</sup> (fig. 1)        | $P_{PPM}$      | 400            | W    |
| Peak pulse current with a 10/1000 $\mu$ s waveform <sup>(1)</sup>                           | $I_{PPM}$      | See next table | A    |
| Power dissipation on infinite heatsink at $T_L = 75$ °C (fig. 5)                            | $P_D$          | 1.5            | W    |
| Peak forward surge current, 8.3 ms single half sine-wave unidirectional only <sup>(2)</sup> | $I_{FSM}$      | 40             | A    |
| Maximum instantaneous forward voltage at 25 A for unidirectional only <sup>(3)</sup>        | $V_F$          | 3.5/5.0        | V    |
| Operating junction and storage temperature range                                            | $T_J, T_{STG}$ | -55 to +175    | °C   |

### Notes

<sup>(1)</sup> Non-repetitive current pulse, per fig. 3 and derated above  $T_A = 25$  °C per fig. 2

<sup>(2)</sup> Measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum

<sup>(3)</sup>  $V_F = 3.5$  V for BZW04P(-)188 and below;  $V_F = 5.0$  V for BZW04P(-)213 and above

**ELECTRICAL CHARACTERISTICS** ( $T_A = 25\text{ }^{\circ}\text{C}$  unless otherwise noted)

| PART NUMBER          | BREAKDOWN VOLTAGE<br>V <sub>BR</sub> AT I <sub>T</sub> <sup>(1)</sup><br>(V) |      | TEST CURRENT<br>I <sub>T</sub> (mA) | STAND-OFF VOLTAGE<br>V <sub>WM</sub><br>(V) | MAXIMUM REVERSE LEAKAGE<br>AT V <sub>WM</sub><br>I <sub>D</sub> <sup>(4)</sup> (μA) | MAXIMUM PEAK PULSE CURRENT<br>I <sub>PPM</sub> <sup>(2)</sup> (A) | MAXIMUM CLAMPING VOLTAGE AT<br>I <sub>PPM</sub><br>V <sub>C</sub> (V) | MAXIMUM TEMPERATURE COEFFICIENT OF<br>V <sub>BR</sub> (%/°C) |
|----------------------|------------------------------------------------------------------------------|------|-------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------|
|                      | MIN.                                                                         | MAX. |                                     |                                             |                                                                                     |                                                                   |                                                                       |                                                              |
| UNIDIRECTIONAL TYPES |                                                                              |      |                                     |                                             |                                                                                     |                                                                   |                                                                       |                                                              |
| BZW04-5V8            | 6.45                                                                         | 7.14 | 10.0                                | 5.80                                        | 1000                                                                                | 38.0                                                              | 10.5                                                                  | 0.057                                                        |
| BZW04-6V4            | 7.13                                                                         | 7.88 | 10.0                                | 6.40                                        | 500                                                                                 | 35.4                                                              | 11.3                                                                  | 0.061                                                        |
| BZW04-7V0            | 7.79                                                                         | 8.61 | 10.0                                | 7.02                                        | 200                                                                                 | 33.0                                                              | 12.1                                                                  | 0.065                                                        |
| BZW04-7V8            | 8.65                                                                         | 9.55 | 1.0                                 | 7.78                                        | 50                                                                                  | 30.0                                                              | 13.4                                                                  | 0.073                                                        |
| BZW04-8V5            | 9.50                                                                         | 10.5 | 1.0                                 | 8.55                                        | 10                                                                                  | 27.6                                                              | 14.5                                                                  | 0.075                                                        |
| BZW04-9V4            | 10.5                                                                         | 11.6 | 1.0                                 | 9.4                                         | 5.0                                                                                 | 25.7                                                              | 15.6                                                                  | 0.075                                                        |
| BZW04-10             | 11.4                                                                         | 12.6 | 1.0                                 | 10.2                                        | 1.0                                                                                 | 24.0                                                              | 16.7                                                                  | 0.078                                                        |
| BZW04-11             | 12.4                                                                         | 13.7 | 1.0                                 | 11.1                                        | 1.0                                                                                 | 22.0                                                              | 18.2                                                                  | 0.081                                                        |
| BZW04-13             | 14.3                                                                         | 15.8 | 1.0                                 | 12.8                                        | 1.0                                                                                 | 19.0                                                              | 21.2                                                                  | 0.084                                                        |
| BZW04-14             | 15.2                                                                         | 16.8 | 1.0                                 | 13.6                                        | 1.0                                                                                 | 17.8                                                              | 22.5                                                                  | 0.086                                                        |
| BZW04-15             | 17.1                                                                         | 18.9 | 1.0                                 | 15.3                                        | 1.0                                                                                 | 16.0                                                              | 25.2                                                                  | 0.088                                                        |
| BZW04-17             | 19.0                                                                         | 21.0 | 1.0                                 | 17.1                                        | 1.0                                                                                 | 14.5                                                              | 27.7                                                                  | 0.090                                                        |
| BZW04-19             | 20.9                                                                         | 23.1 | 1.0                                 | 18.8                                        | 1.0                                                                                 | 13.0                                                              | 30.6                                                                  | 0.092                                                        |
| BZW04-20             | 22.8                                                                         | 25.2 | 1.0                                 | 20.5                                        | 1.0                                                                                 | 12.0                                                              | 33.2                                                                  | 0.094                                                        |
| BZW04-23             | 25.7                                                                         | 28.4 | 1.0                                 | 23.1                                        | 1.0                                                                                 | 10.7                                                              | 37.5                                                                  | 0.096                                                        |
| BZW04-26             | 28.5                                                                         | 31.5 | 1.0                                 | 25.6                                        | 1.0                                                                                 | 9.6                                                               | 41.5                                                                  | 0.097                                                        |
| BZW04-28             | 31.4                                                                         | 34.7 | 1.0                                 | 28.2                                        | 1.0                                                                                 | 8.8                                                               | 45.7                                                                  | 0.098                                                        |
| BZW04-31             | 34.2                                                                         | 37.8 | 1.0                                 | 30.8                                        | 1.0                                                                                 | 8.0                                                               | 49.9                                                                  | 0.099                                                        |
| BZW04-33             | 37.1                                                                         | 41.0 | 1.0                                 | 33.3                                        | 1.0                                                                                 | 7.4                                                               | 53.9                                                                  | 0.100                                                        |
| BZW04-37             | 40.9                                                                         | 45.2 | 1.0                                 | 36.8                                        | 1.0                                                                                 | 6.7                                                               | 59.3                                                                  | 0.101                                                        |
| BZW04-40             | 44.7                                                                         | 49.4 | 1.0                                 | 40.2                                        | 1.0                                                                                 | 6.2                                                               | 64.8                                                                  | 0.101                                                        |
| BZW04-44             | 48.5                                                                         | 53.6 | 1.0                                 | 43.6                                        | 1.0                                                                                 | 5.7                                                               | 70.1                                                                  | 0.102                                                        |
| BZW04-48             | 53.2                                                                         | 58.8 | 1.0                                 | 47.8                                        | 1.0                                                                                 | 5.2                                                               | 77.0                                                                  | 0.103                                                        |
| BZW04-53             | 58.9                                                                         | 65.1 | 1.0                                 | 53.0                                        | 1.0                                                                                 | 4.7                                                               | 85.0                                                                  | 0.104                                                        |
| BZW04-58             | 64.6                                                                         | 71.4 | 1.0                                 | 58.1                                        | 1.0                                                                                 | 4.3                                                               | 92.0                                                                  | 0.104                                                        |
| BZW04-64             | 71.3                                                                         | 78.8 | 1.0                                 | 64.1                                        | 1.0                                                                                 | 3.9                                                               | 103                                                                   | 0.105                                                        |
| BZW04-70             | 77.9                                                                         | 86.1 | 1.0                                 | 70.1                                        | 1.0                                                                                 | 3.5                                                               | 113                                                                   | 0.105                                                        |
| BZW04-78             | 86.5                                                                         | 95.5 | 1.0                                 | 78.0                                        | 1.0                                                                                 | 3.2                                                               | 125                                                                   | 0.105                                                        |
| BZW04-85             | 95.0                                                                         | 105  | 1.0                                 | 85.5                                        | 1.0                                                                                 | 2.9                                                               | 137                                                                   | 0.106                                                        |
| BZW04-94             | 105                                                                          | 116  | 1.0                                 | 94.0                                        | 1.0                                                                                 | 2.6                                                               | 152                                                                   | 0.107                                                        |
| BZW04-102            | 114                                                                          | 126  | 1.0                                 | 102                                         | 1.0                                                                                 | 2.4                                                               | 165                                                                   | 0.107                                                        |
| BZW04-110            | 124                                                                          | 137  | 1.0                                 | 111                                         | 1.0                                                                                 | 2.2                                                               | 179                                                                   | 0.107                                                        |
| BZW04-128            | 143                                                                          | 158  | 1.0                                 | 128                                         | 1.0                                                                                 | 2.0                                                               | 207                                                                   | 0.108                                                        |
| BZW04-136            | 152                                                                          | 168  | 1.0                                 | 136                                         | 1.0                                                                                 | 1.8                                                               | 219                                                                   | 0.108                                                        |
| BZW04-145            | 161                                                                          | 179  | 1.0                                 | 145                                         | 1.0                                                                                 | 1.7                                                               | 234                                                                   | 0.108                                                        |
| BZW04-154            | 171                                                                          | 189  | 1.0                                 | 154                                         | 1.0                                                                                 | 1.6                                                               | 246                                                                   | 0.108                                                        |
| BZW04-171            | 190                                                                          | 210  | 1.0                                 | 171                                         | 1.0                                                                                 | 1.5                                                               | 274                                                                   | 0.108                                                        |
| BZW04-188            | 209                                                                          | 231  | 1.0                                 | 188                                         | 1.0                                                                                 | 1.4                                                               | 301                                                                   | 0.108                                                        |
| BZW04-213            | 237                                                                          | 263  | 1.0                                 | 213                                         | 1.0                                                                                 | 1.2                                                               | 344                                                                   | 0.110                                                        |
| BZW04-239            | 266                                                                          | 294  | 1.0                                 | 239                                         | 1.0                                                                                 | 1.1                                                               | 384                                                                   | 0.110                                                        |
| BZW04-256            | 285                                                                          | 315  | 1.0                                 | 256                                         | 1.0                                                                                 | 1.0                                                               | 414                                                                   | 0.110                                                        |
| BZW04-273            | 304                                                                          | 336  | 1.0                                 | 273                                         | 1.0                                                                                 | 0.90                                                              | 438                                                                   | 0.110                                                        |
| BZW04-299            | 332                                                                          | 368  | 1.0                                 | 299                                         | 1.0                                                                                 | 0.80                                                              | 482                                                                   | 0.110                                                        |
| BZW04-342            | 380                                                                          | 420  | 1.0                                 | 342                                         | 1.0                                                                                 | 0.75                                                              | 548                                                                   | 0.110                                                        |
| BZW04-376            | 418                                                                          | 462  | 1.0                                 | 376                                         | 1.0                                                                                 | 0.67                                                              | 603                                                                   | 0.110                                                        |

**ELECTRICAL CHARACTERISTICS** ( $T_A = 25\text{ }^{\circ}\text{C}$  unless otherwise noted)

| PART NUMBER         | BREAKDOWN VOLTAGE<br>V <sub>BR</sub> AT I <sub>T</sub> <sup>(1)</sup><br>(V) |      | TEST CURRENT<br>I <sub>T</sub> (mA) | STAND-OFF VOLTAGE<br>V <sub>WM</sub><br>(V) | MAXIMUM REVERSE LEAKAGE AT V <sub>WM</sub><br>I <sub>D</sub> <sup>(4)</sup> (μA) | MAXIMUM PEAK PULSE CURRENT<br>I <sub>PPM</sub> <sup>(2)</sup> (A) | MAXIMUM CLAMPING VOLTAGE AT I <sub>PPM</sub><br>V <sub>C</sub> (V) | MAXIMUM TEMPERATURE COEFFICIENT OF<br>V <sub>BR</sub> (%/°C) |
|---------------------|------------------------------------------------------------------------------|------|-------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------|
|                     | MIN.                                                                         | MAX. |                                     |                                             |                                                                                  |                                                                   |                                                                    |                                                              |
| BIDIRECTIONAL TYPES |                                                                              |      |                                     |                                             |                                                                                  |                                                                   |                                                                    |                                                              |
| BZW04-5V8B          | 6.45                                                                         | 7.14 | 10.0                                | 5.80                                        | 1000                                                                             | 38.0                                                              | 10.5                                                               | 0.057                                                        |
| BZW04-6V4B          | 7.13                                                                         | 7.88 | 10.0                                | 6.40                                        | 500                                                                              | 35.4                                                              | 11.3                                                               | 0.061                                                        |
| BZW04-7V0B          | 7.79                                                                         | 8.61 | 10.0                                | 7.02                                        | 200                                                                              | 33.0                                                              | 12.1                                                               | 0.065                                                        |
| BZW04-7V8B          | 8.65                                                                         | 9.55 | 1.0                                 | 7.78                                        | 50                                                                               | 30.0                                                              | 13.4                                                               | 0.073                                                        |
| BZW04-8V5B          | 9.50                                                                         | 10.5 | 1.0                                 | 8.55                                        | 10                                                                               | 27.6                                                              | 14.5                                                               | 0.075                                                        |
| BZW04-9V4B          | 10.5                                                                         | 11.6 | 1.0                                 | 9.4                                         | 5.0                                                                              | 25.7                                                              | 15.6                                                               | 0.075                                                        |
| BZW04-10B           | 11.4                                                                         | 12.6 | 1.0                                 | 10.2                                        | 1.0                                                                              | 24.0                                                              | 16.7                                                               | 0.078                                                        |
| BZW04-11B           | 12.4                                                                         | 13.7 | 1.0                                 | 11.1                                        | 1.0                                                                              | 22.0                                                              | 18.2                                                               | 0.081                                                        |
| BZW04-13B           | 14.3                                                                         | 15.8 | 1.0                                 | 12.8                                        | 1.0                                                                              | 19.0                                                              | 21.2                                                               | 0.084                                                        |
| BZW04-14B           | 15.2                                                                         | 16.8 | 1.0                                 | 13.6                                        | 1.0                                                                              | 17.8                                                              | 22.5                                                               | 0.086                                                        |
| BZW04-15B           | 17.1                                                                         | 18.9 | 1.0                                 | 15.3                                        | 1.0                                                                              | 16.0                                                              | 25.2                                                               | 0.088                                                        |
| BZW04-17B           | 19.0                                                                         | 21.0 | 1.0                                 | 17.1                                        | 1.0                                                                              | 14.5                                                              | 27.7                                                               | 0.090                                                        |
| BZW04-19B           | 20.9                                                                         | 23.1 | 1.0                                 | 18.8                                        | 1.0                                                                              | 13.0                                                              | 30.6                                                               | 0.092                                                        |
| BZW04-20B           | 22.8                                                                         | 25.2 | 1.0                                 | 20.5                                        | 1.0                                                                              | 12.0                                                              | 33.2                                                               | 0.094                                                        |
| BZW04-23B           | 25.7                                                                         | 28.4 | 1.0                                 | 23.1                                        | 1.0                                                                              | 10.7                                                              | 37.5                                                               | 0.096                                                        |
| BZW04-26B           | 28.5                                                                         | 31.5 | 1.0                                 | 25.6                                        | 1.0                                                                              | 9.6                                                               | 41.5                                                               | 0.097                                                        |
| BZW04-28B           | 31.4                                                                         | 34.7 | 1.0                                 | 28.2                                        | 1.0                                                                              | 8.8                                                               | 45.7                                                               | 0.098                                                        |
| BZW04-31B           | 34.2                                                                         | 37.8 | 1.0                                 | 30.8                                        | 1.0                                                                              | 8.0                                                               | 49.9                                                               | 0.099                                                        |
| BZW04-33B           | 37.1                                                                         | 41.0 | 1.0                                 | 33.3                                        | 1.0                                                                              | 7.4                                                               | 53.9                                                               | 0.100                                                        |
| BZW04-37B           | 40.9                                                                         | 45.2 | 1.0                                 | 36.8                                        | 1.0                                                                              | 6.7                                                               | 59.3                                                               | 0.101                                                        |
| BZW04-40B           | 44.7                                                                         | 49.4 | 1.0                                 | 40.2                                        | 1.0                                                                              | 6.2                                                               | 64.8                                                               | 0.101                                                        |
| BZW04-44B           | 48.5                                                                         | 53.6 | 1.0                                 | 43.6                                        | 1.0                                                                              | 5.7                                                               | 70.1                                                               | 0.102                                                        |
| BZW04-48B           | 53.2                                                                         | 58.8 | 1.0                                 | 47.8                                        | 1.0                                                                              | 5.2                                                               | 77.0                                                               | 0.103                                                        |
| BZW04-53B           | 58.9                                                                         | 65.1 | 1.0                                 | 53.0                                        | 1.0                                                                              | 4.7                                                               | 85.0                                                               | 0.104                                                        |
| BZW04-58B           | 64.6                                                                         | 71.4 | 1.0                                 | 58.1                                        | 1.0                                                                              | 4.3                                                               | 92.0                                                               | 0.104                                                        |
| BZW04-64B           | 71.3                                                                         | 78.8 | 1.0                                 | 64.1                                        | 1.0                                                                              | 3.9                                                               | 103                                                                | 0.105                                                        |
| BZW04-70B           | 77.9                                                                         | 86.1 | 1.0                                 | 70.1                                        | 1.0                                                                              | 3.5                                                               | 113                                                                | 0.105                                                        |
| BZW04-78B           | 86.5                                                                         | 95.5 | 1.0                                 | 78.0                                        | 1.0                                                                              | 3.2                                                               | 125                                                                | 0.105                                                        |
| BZW04-85B           | 95.0                                                                         | 105  | 1.0                                 | 85.5                                        | 1.0                                                                              | 2.9                                                               | 137                                                                | 0.106                                                        |
| BZW04-94B           | 105                                                                          | 116  | 1.0                                 | 94.0                                        | 1.0                                                                              | 2.6                                                               | 152                                                                | 0.107                                                        |
| BZW04-102B          | 114                                                                          | 126  | 1.0                                 | 102                                         | 1.0                                                                              | 2.4                                                               | 165                                                                | 0.107                                                        |
| BZW04-110B          | 124                                                                          | 137  | 1.0                                 | 111                                         | 1.0                                                                              | 2.2                                                               | 179                                                                | 0.107                                                        |
| BZW04-128B          | 143                                                                          | 158  | 1.0                                 | 128                                         | 1.0                                                                              | 2.0                                                               | 207                                                                | 0.108                                                        |
| BZW04-136B          | 152                                                                          | 168  | 1.0                                 | 136                                         | 1.0                                                                              | 1.8                                                               | 219                                                                | 0.108                                                        |
| BZW04-145B          | 161                                                                          | 179  | 1.0                                 | 145                                         | 1.0                                                                              | 1.7                                                               | 234                                                                | 0.108                                                        |
| BZW04-154B          | 171                                                                          | 189  | 1.0                                 | 154                                         | 1.0                                                                              | 1.6                                                               | 246                                                                | 0.108                                                        |
| BZW04-171B          | 190                                                                          | 210  | 1.0                                 | 171                                         | 1.0                                                                              | 1.5                                                               | 274                                                                | 0.108                                                        |
| BZW04-188B          | 209                                                                          | 231  | 1.0                                 | 188                                         | 1.0                                                                              | 1.4                                                               | 301                                                                | 0.108                                                        |
| BZW04-213B          | 237                                                                          | 263  | 1.0                                 | 213                                         | 1.0                                                                              | 1.2                                                               | 344                                                                | 0.110                                                        |
| BZW04-239B          | 266                                                                          | 294  | 1.0                                 | 239                                         | 1.0                                                                              | 1.1                                                               | 384                                                                | 0.110                                                        |
| BZW04-256B          | 285                                                                          | 315  | 1.0                                 | 256                                         | 1.0                                                                              | 1.0                                                               | 414                                                                | 0.110                                                        |
| BZW04-273B          | 304                                                                          | 336  | 1.0                                 | 273                                         | 1.0                                                                              | 0.90                                                              | 438                                                                | 0.110                                                        |
| BZW04-299B          | 332                                                                          | 368  | 1.0                                 | 299                                         | 1.0                                                                              | 0.80                                                              | 482                                                                | 0.110                                                        |
| BZW04-342B          | 380                                                                          | 420  | 1.0                                 | 342                                         | 1.0                                                                              | 0.75                                                              | 548                                                                | 0.110                                                        |
| BZW04-376B          | 418                                                                          | 462  | 1.0                                 | 376                                         | 1.0                                                                              | 0.67                                                              | 603                                                                | 0.110                                                        |

**Notes**<sup>(1)</sup> Pulse test:  $t_p \geq 50\text{ ms}$ <sup>(2)</sup> Surge current waveform per fig. 3 and derated per fig. 2<sup>(3)</sup> All terms and symbols are consistent with ANSI/IEEE C62.35<sup>(4)</sup> For bidirectional types having  $V_{WM}$  of 10 V and less, the  $I_D$  limit is doubled



**ORDERING INFORMATION** (Example)

| PREFERRED P/N                | UNIT WEIGHT (g) | PREFERRED PACKAGE CODE | BASE QUANTITY | DELIVERY MODE                    |
|------------------------------|-----------------|------------------------|---------------|----------------------------------|
| BZW0410-E3/54                | 0.350           | 54                     | 550           | 13" diameter paper tape and reel |
| BZW0410HE3/54 <sup>(1)</sup> | 0.350           | 54                     | 550           | 13" diameter paper tape and reel |

**Note**

<sup>(1)</sup> AEC-Q101 qualified

**RATINGS AND CHARACTERISTICS CURVES** ( $T_A = 25^\circ\text{C}$  unless otherwise noted)



Fig. 1 - Peak Pulse Power Rating Curve



Fig. 4 - Typical Junction Capacitance



Fig. 2 - Pulse Power or Current vs. Initial Junction Temperature



Fig. 5 - Power Derating Curve

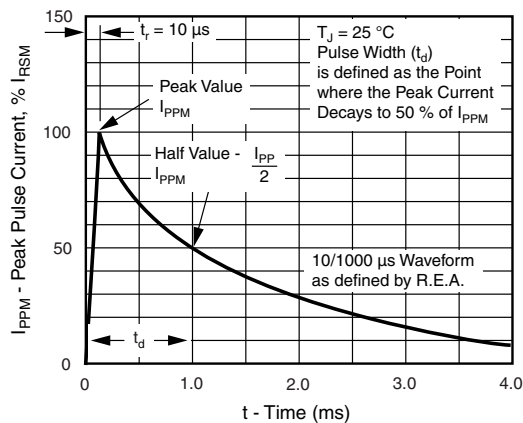


Fig. 3 - Pulse Waveform

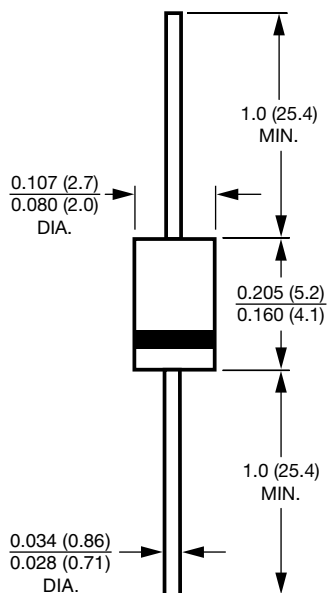


Fig. 6 - Max. Non-Repetitive Forward Surge Current  
Unidirectional Only



**PACKAGE OUTLINE DIMENSIONS** in inches (millimeters)

**DO-41 (DO-204AL)**





## Disclaimer

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