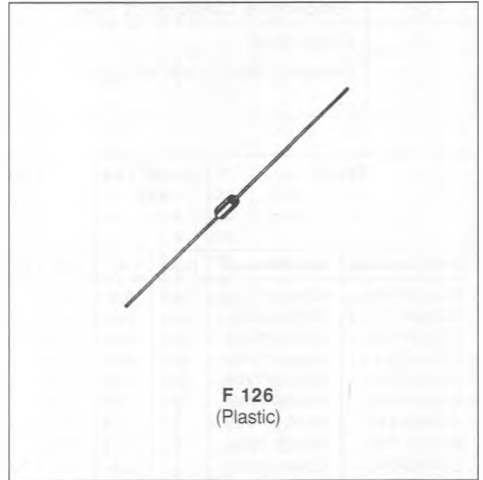




## UNI-AND BIDIRECTIONAL TRANSIENT VOLTAGE SUPPRESSORS

- HIGH SURGE CAPABILITY :  
600 W / 1 ms EXPO
- VERY FAST CLAMPING TIME :  
1 ps FOR UNIDIRECTIONAL TYPES  
5 ns FOR BIDIRECTIONAL TYPES
- LARGE VOLTAGE RANGE :  
5.8 V → 376 V
- ORDER CODE :  
TYPE NUMBER FOR UNIDIRECTIONAL  
TYPES. TYPE NUMBER + SUFFIX B FOR  
BIDIRECTIONAL TYPES



### DESCRIPTION

Transient voltage suppressor diodes especially useful in protecting integrated circuits, MOS, hybrids and other voltage-sensitive semiconductors and components.

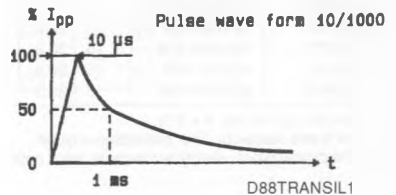
### ABSOLUTE RATINGS (limiting values)

| Symbol             | Parameter  |                                      | Value              | Unit     |
|--------------------|--|--------------------------------------|--------------------|----------|
| $P_p$              | Peak Pulse Power for 1 ms Exponential Pulse                          | $T_j$ Initial = 25 °C<br>See note 1  | 600                | W        |
| $P$                | Power Dissipation on Infinite Heatsink                               | $T_{amb} = 50$ °C                    | 1.7                | W        |
| $I_{FSM}$          | Non Repetitive Surge Peak Forward Current for Unidirectional Types   | $T_j$ Initial = 25 °C<br>$t = 10$ ms | 100                | A        |
| $T_{stg}$<br>$T_j$ | Storage and Operating Junction Temperature Range                     |                                      | - 55 to 150<br>150 | °C<br>°C |
| $T_L$              | Maximum Lead Temperature for Soldering During 10 s at 4 mm from Case |                                      | 230                | °C       |

### THERMAL RESISTANCE

| Symbol        | Parameter  | Value | Unit |
|---------------|--|-------|------|
| $R_{th(j-l)}$ | Junction-leads on Infinite Heatsink for $L_{lead} = 10$ mm | 60    | °C/W |

Note : 1. For surges upper than the maximum values, the diode will present a short-circuit anode-cathode.



ELECTRICAL CHARACTERISTICS (T<sub>J</sub> = 25 °C)

| Symbol                | Parameter                                    |                      | Value      |
|-----------------------|--|----------------------|------------|
| V <sub>RM</sub>       | Stand-off Voltage                            |                      | See tables |
| V <sub>(BR)</sub>     | Breakdown Voltage                            |                      |            |
| V <sub>(CL)</sub>     | Clamping Voltage                             |                      |            |
| I <sub>pp</sub>       | Peak Pulse Current                           |                      |            |
| α <sub>T</sub>        | Temperature Coefficient of V <sub>(BR)</sub> |                      |            |
| C                     | Capacitance                                  |                      |            |
| t <sub>clamping</sub> | Clamping Time (0 volt to V <sub>(BR)</sub> ) | Unidirectional Types | 1 ps max.  |
|                       |  | Bidirectional Types  | 5 ns max.  |

| Types          |               | I <sub>RM</sub> @ V <sub>RM</sub> max. |      | V <sub>(BR)</sub> * @ I <sub>R</sub> |      |      | V <sub>(CL)</sub> @ I <sub>pp</sub> max. |      | V <sub>(CL)</sub> @ I <sub>pp</sub> max. |      | α <sub>T</sub> max. | C** typ. V <sub>R</sub> =0 f=1 MHz |      |
|----------------|---------------|--|------|--------------------------------------|------|------|--|------|--|------|---------------------|------------------------------------|------|
| Unidirectional | Bidirectional | (μA)                                   | (V)  | min.                                 | nom. | max. | (mA)                                     | (V)  | (A)                                      | (V)  | (A)                 | (10 <sup>-4</sup> / °C)            | (pF) |
| BZW06P5V8      | BZW06P5V8B    | 1000                                   | 5.8  | 6.45                                 | 6.8  | 7.48 | 10                                       | 10.5 | 57                                       | 13.4 | 261                 | 5.7                                | 4000 |
| BZW06-5V8      | BZW06-5V8B    | 1000                                   | 5.8  | 6.45                                 | 6.8  | 7.14 | 10                                       | 10.5 | 57                                       | 13.4 | 261                 | 5.7                                | 4000 |
| BZW06P6V4      | BZW06P6V4B    | 500                                    | 6.4  | 7.13                                 | 7.5  | 8.25 | 10                                       | 11.3 | 53                                       | 14.5 | 241                 | 6.1                                | 3700 |
| BZW06-6V4      | BZW06-6V4B    | 500                                    | 6.4  | 7.13                                 | 7.5  | 7.88 | 10                                       | 11.3 | 53                                       | 14.5 | 241                 | 6.1                                | 3700 |
| BZW06P7V0      | BZW06P7V0B    | 200                                    | 7.02 | 7.79                                 | 8.2  | 9.02 | 10                                       | 12.1 | 50                                       | 15.5 | 226                 | 6.5                                | 3400 |
| BZW06-7V0      | BZW06-7V0B    | 200                                    | 7.02 | 7.79                                 | 8.2  | 8.61 | 10                                       | 12.1 | 50                                       | 15.5 | 226                 | 6.5                                | 3400 |
| BZW06P7V8      | BZW06P7V8B    | 50                                     | 7.78 | 8.65                                 | 9.1  | 10   | 1  | 13.4 | 45                                       | 17.1 | 205                 | 6.8                                | 3100 |
| BZW06-7V8      | BZW06-7V8B    | 50                                     | 7.78 | 8.65                                 | 9.1  | 9.55 | 1  | 13.4 | 45                                       | 17.1 | 205                 | 6.8                                | 3100 |
| BZW06P8V5      | BZW06P8V5B    | 10                                     | 8.55 | 9.5                                  | 10   | 11   | 1  | 14.5 | 41                                       | 18.6 | 387                 | 7.3                                | 2800 |
| BZW06-8V5      | BZW06-8V5B    | 10                                     | 8.55 | 9.5                                  | 10   | 10.5 | 1  | 14.5 | 41                                       | 18.6 | 387                 | 7.3                                | 2800 |
| BZW06P9V4      | BZW06P9V4B    | 5                                      | 9.4  | 10.5                                 | 11   | 12.1 | 1  | 15.6 | 38                                       | 20.3 | 355                 | 7.5                                | 2500 |
| BZW06-9V4      | BZW06-9V4B    | 5                                      | 9.4  | 10.5                                 | 11   | 11.6 | 1  | 15.6 | 38                                       | 20.3 | 355                 | 7.5                                | 2500 |
| BZW06P10       | BZW06P10B     | 5                                      | 10.2 | 11.4                                 | 12   | 13.2 | 1  | 16.7 | 36                                       | 21.7 | 332                 | 7.8                                | 2300 |
| BZW06-10       | BZW06-10B     | 5                                      | 10.2 | 11.4                                 | 12   | 12.6 | 1  | 16.7 | 36                                       | 21.7 | 332                 | 7.8                                | 2300 |
| BZW06P11       | BZW06P11B     | 5                                      | 11.1 | 12.4                                 | 13   | 14.3 | 1  | 18.2 | 33                                       | 23.6 | 305                 | 8.1                                | 2150 |
| BZW06-11       | BZW06-11B     | 5                                      | 11.1 | 12.4                                 | 13   | 13.7 | 1  | 18.2 | 33                                       | 23.6 | 305                 | 8.1                                | 2150 |
| BZW06P13       | BZW06P13B     | 5                                      | 12.8 | 14.3                                 | 15   | 16.5 | 1  | 21.2 | 28                                       | 27.2 | 265                 | 8.4                                | 1900 |
| BZW06-13       | BZW06-13B     | 5                                      | 12.8 | 14.3                                 | 15   | 15.8 | 1  | 21.2 | 28                                       | 27.2 | 265                 | 8.4                                | 1900 |
| BZW06P14       | BZW06P14B     | 5                                      | 13.6 | 15.2                                 | 16   | 17.6 | 1  | 22.5 | 27                                       | 28.9 | 249                 | 8.6                                | 1800 |
| BZW06-14       | BZW06-14B     | 5                                      | 13.6 | 15.2                                 | 16   | 16.8 | 1  | 22.5 | 27                                       | 28.9 | 249                 | 8.6                                | 1800 |
| BZW06P15       | BZW06P15B     | 5                                      | 15.3 | 17.1                                 | 18   | 19.8 | 1  | 25.2 | 24                                       | 32.5 | 222                 | 8.8                                | 1600 |
| BZW06-15       | BZW06-15B     | 5                                      | 15.3 | 17.1                                 | 18   | 18.9 | 1  | 25.2 | 24                                       | 32.5 | 222                 | 8.8                                | 1600 |
| BZW06P17       | BZW06P17B     | 5                                      | 17.1 | 19                                   | 20   | 22   | 1  | 27.7 | 22                                       | 36.1 | 199                 | 9.0                                | 1500 |
| BZW06-17       | BZW06-17B     | 5                                      | 17.1 | 19                                   | 20   | 21   | 1  | 27.7 | 22                                       | 36.1 | 199                 | 9.0                                | 1500 |
| BZW06P19       | BZW06P19B     | 5                                      | 18.8 | 20.9                                 | 22   | 24.2 | 1  | 30.6 | 20                                       | 39.3 | 183                 | 9.2                                | 1350 |
| BZW06-19       | BZW06-19B     | 5                                      | 18.8 | 20.9                                 | 22   | 23.1 | 1  | 30.6 | 20                                       | 39.3 | 183                 | 9.2                                | 1350 |
| BZW06P20       | BZW06P20B     | 5                                      | 20.5 | 22.8                                 | 24   | 26.4 | 1  | 33.2 | 18                                       | 42.8 | 168                 | 9.4                                | 1250 |
| BZW06-20       | BZW06-20B     | 5                                      | 20.5 | 22.8                                 | 24   | 25.2 | 1  | 33.2 | 18                                       | 42.8 | 168                 | 9.4                                | 1250 |
| BZW06P23       | BZW06P23B     | 5                                      | 23.1 | 25.7                                 | 27   | 29.7 | 1  | 37.5 | 16                                       | 48.3 | 149                 | 9.6                                | 1150 |
| BZW06-23       | BZW06-23B     | 5                                      | 23.1 | 25.7                                 | 27   | 28.4 | 1  | 37.5 | 16                                       | 48.3 | 149                 | 9.6                                | 1150 |
| BZW06P26       | BZW06P26B     | 5                                      | 25.6 | 28.5                                 | 30   | 33   | 1  | 41.4 | 14.5                                     | 53.5 | 134                 | 9.7                                | 1075 |
| BZW06-26       | BZW06-26B     | 5                                      | 25.6 | 28.5                                 | 30   | 31.5 | 1  | 41.4 | 14.5                                     | 53.5 | 134                 | 9.7                                | 1075 |
| BZW06P28       | BZW06P28B     | 5                                      | 28.2 | 31.4                                 | 33   | 36.3 | 1  | 45.7 | 13.1                                     | 59   | 122                 | 9.8                                | 1000 |
| BZW06-28       | BZW06-28B     | 5                                      | 28.2 | 31.4                                 | 33   | 34.7 | 1  | 45.7 | 13.1                                     | 59   | 122                 | 9.8                                | 1000 |
| BZW06P31       | BZW06P31B     | 5                                      | 30.8 | 34.2                                 | 36   | 39.6 | 1  | 49.9 | 12                                       | 64.3 | 112                 | 9.9                                | 950  |
| BZW06-31       | BZW06-31B     | 5                                      | 30.8 | 34.2                                 | 36   | 37.8 | 1  | 49.9 | 12                                       | 64.3 | 112                 | 9.9                                | 950  |
| BZW06P33       | BZW06P33B     | 5                                      | 33.3 | 37.1                                 | 39   | 42.9 | 1  | 53.9 | 11.1                                     | 69.7 | 103                 | 10.0                               | 900  |

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2 %.

\*\* Divide these values by 2 for bidirectional types.

For bidirectional types, electrical characteristics apply in both directions.

| Types          |               | I <sub>RM</sub> @ V <sub>RM</sub><br>max. |      | V <sub>(BR)</sub> * @ I <sub>R</sub><br>(V) |      |      | V <sub>(CL)</sub> @ I <sub>pp</sub><br>max.<br>1 ms expo |      | V <sub>(CL)</sub> @ I <sub>pp</sub><br>max.<br>8-20 μs expo |      | α <sub>T</sub><br>max. | C**<br>typ.<br>V <sub>R</sub> =0<br>f=1 MHz |      |
|----------------|---------------|---|------|---|------|------|--|------|---|------|------------------------|---|------|
| Unidirectional | Bidirectional | (μA)                                      | (V)  | min.  | nom. | max. | (mA)   | (V)  | (A)   | (V)  | (A)                    | (10 <sup>-4</sup> °C)                       | (pF) |
| BZW06-33       | BZW06-33B     | 5   | 33.3 | 37.1  | 39   | 41   | 1  | 53.9 | 11.1  | 69.7 | 103                    | 10.0  | 900  |
| BZW06P37       | BZW06P37B     | 5   | 36.8 | 40.9  | 43   | 47.3 | 1  | 59.3 | 10.1  | 76.8 | 94                     | 10.1  | 850  |
| BZW06-37       | BZW06-37B     | 5   | 36.8 | 40.9  | 43   | 45.2 | 1  | 59.3 | 10.1  | 76.8 | 94                     | 10.1  | 850  |
| BZW06P40       | BZW06P40B     | 5   | 40.2 | 44.7  | 47   | 51.7 | 1  | 64.8 | 9.3   | 84   | 86                     | 10.1  | 800  |
| BZW06-40       | BZW06-40B     | 5   | 40.2 | 44.7  | 47   | 49.4 | 1  | 64.8 | 9.3   | 84   | 86                     | 10.1  | 800  |
| BZW06P44       | BZW06P44B     | 5   | 43.6 | 48.5  | 51   | 56.1 | 1  | 70.1 | 8.6   | 91   | 79                     | 10.2  | 750  |
| BZW06-44       | BZW06-44B     | 5   | 43.6 | 48.5  | 51   | 53.6 | 1  | 70.1 | 8.6   | 91   | 79                     | 10.2  | 750  |
| BZW06P48       | BZW06P48B     | 5   | 47.8 | 53.2  | 56   | 61.6 | 1  | 77   | 7.8   | 100  | 72                     | 10.3  | 700  |
| BZW06-48       | BZW06-48B     | 5   | 47.8 | 53.2  | 56   | 58.8 | 1  | 77   | 7.8   | 100  | 72                     | 10.3  | 700  |
| BZW06P53       | BZW06P53B     | 5   | 53   | 58.9  | 62   | 68.2 | 1  | 85   | 7.1   | 111  | 65                     | 10.4  | 650  |
| BZW06-53       | BZW06-53B     | 5   | 53   | 58.9  | 62   | 65.1 | 1  | 85   | 7.1   | 111  | 65                     | 10.4  | 650  |
| BZW06P58       | BZW06P58B     | 5   | 58.1 | 64.6  | 68   | 74.8 | 1  | 92   | 6.5   | 121  | 59.5                   | 10.4  | 625  |
| BZW06-58       | BZW06-58B     | 5   | 58.1 | 64.6  | 68   | 71.4 | 1  | 92   | 6.5   | 121  | 59.5                   | 10.4  | 625  |
| BZW06P64       | BZW06P64B     | 5   | 64.1 | 71.3  | 75   | 82.5 | 1  | 103  | 5.8   | 134  | 53.5                   | 10.5  | 575  |
| BZW06-64       | BZW06-64B     | 5   | 64.1 | 71.3  | 75   | 78.8 | 1  | 103  | 5.8   | 134  | 53.5                   | 10.5  | 575  |
| BZW06P70       | BZW06P70B     | 5   | 70.1 | 77.9  | 82   | 90.2 | 1  | 113  | 5.3   | 146  | 49                     | 10.5  | 550  |
| BZW06-70       | BZW06-70B     | 5   | 70.1 | 77.9  | 82   | 86.1 | 1  | 113  | 5.3   | 146  | 49                     | 10.5  | 550  |
| BZW06P78       | BZW06P78B     | 5   | 77.8 | 86.5  | 91   | 100  | 1  | 125  | 4.8   | 162  | 44.5                   | 10.6  | 525  |
| BZW06-78       | BZW06-78B     | 5   | 77.8 | 86.5  | 91   | 95.5 | 1  | 125  | 4.8   | 162  | 44.5                   | 10.6  | 525  |
| BZW06P85       | BZW06P85B     | 5   | 85.5 | 95  | 100  | 110  | 1  | 137  | 4.4   | 178  | 40.5                   | 10.6  | 500  |
| BZW06-85       | BZW06-85B     | 5   | 85.5 | 95  | 100  | 105  | 1  | 137  | 4.4   | 178  | 40.5                   | 10.6  | 500  |
| BZW06P94       | BZW06P94B     | 5   | 94   | 105   | 110  | 121  | 1  | 152  | 3.9   | 195  | 37                     | 10.7  | 470  |
| BZW06-94       | BZW06-94B     | 5   | 94   | 105   | 110  | 116  | 1  | 152  | 3.9   | 195  | 37                     | 10.7  | 470  |
| BZW06P102      | BZW06P102B    | 5   | 102  | 114   | 120  | 132  | 1  | 165  | 3.6   | 212  | 34                     | 10.7  | 450  |
| BZW06-102      | BZW06-102B    | 5   | 102  | 114   | 120  | 126  | 1  | 165  | 3.6   | 212  | 34                     | 10.7  | 450  |
| BZW06P111      | BZW06P111B    | 5   | 111  | 124   | 130  | 143  | 1  | 179  | 3.4   | 230  | 31.5                   | 10.7  | 420  |
| BZW06-111      | BZW06-111B    | 5   | 111  | 124   | 130  | 137  | 1  | 179  | 3.4   | 230  | 31.5                   | 10.7  | 420  |
| BZW06P128      | BZW06P128B    | 5   | 128  | 143   | 150  | 165  | 1  | 207  | 2.9   | 265  | 27.2                   | 10.8  | 400  |
| BZW06-128      | BZW06-128B    | 5   | 128  | 143   | 150  | 158  | 1  | 207  | 2.9   | 265  | 27.2                   | 10.8  | 400  |
| BZW06P136      | BZW06P136B    | 5   | 136  | 152   | 160  | 176  | 1  | 219  | 2.7   | 282  | 25.5                   | 10.8  | 380  |
| BZW06-136      | BZW06-136B    | 5   | 136  | 152   | 160  | 168  | 1  | 219  | 2.7   | 282  | 25.5                   | 10.8  | 380  |
| BZW06P145      | BZW06P145B    | 5   | 145  | 161   | 170  | 187  | 1  | 234  | 2.6   | 301  | 24                     | 10.8  | 370  |
| BZW06-145      | BZW06-145B    | 5   | 145  | 161   | 170  | 179  | 1  | 234  | 2.6   | 301  | 24                     | 10.8  | 370  |
| BZW06P154      | BZW06P154B    | 5   | 154  | 171   | 180  | 198  | 1  | 246  | 2.4   | 317  | 22.7                   | 10.8  | 360  |
| BZW06-154      | BZW06-154B    | 5   | 154  | 171   | 180  | 189  | 1  | 246  | 2.4   | 317  | 22.7                   | 10.8  | 360  |
| BZW06P171      | BZW06P171B    | 5   | 171  | 190   | 200  | 220  | 1  | 274  | 2.2   | 353  | 20.4                   | 10.8  | 350  |
| BZW06-171      | BZW06-171B    | 5   | 171  | 190   | 200  | 210  | 1  | 274  | 2.2   | 353  | 20.4                   | 10.8  | 350  |
| BZW06P188      | BZW06P188B    | 5   | 188  | 209   | 220  | 242  | 1  | 301  | 2   | 388  | 18.6                   | 10.8  | 330  |
| BZW06-188      | BZW06-188B    | 5   | 188  | 209   | 220  | 231  | 1  | 301  | 2   | 388  | 18.6                   | 10.8  | 330  |
| BZW06P213      | BZW06P213B    | 5   | 213  | 237   | 250  | 275  | 1  | 344  | 2   | 442  | 19                     | 11  | 310  |
| BZW06-213      | BZW06-213B    | 5   | 213  | 237   | 250  | 263  | 1  | 344  | 2   | 442  | 19                     | 11  | 310  |
| BZW06P239      | BZW06P239B    | 5   | 239  | 266   | 280  | 308  | 1  | 384  | 2   | 494  | 18                     | 11  | 300  |
| BZW06-239      | BZW06-239B    | 5   | 239  | 266   | 280  | 294  | 1  | 384  | 2   | 494  | 18                     | 11  | 300  |
| BZW06P256      | BZW06P256B    | 5   | 256  | 285   | 300  | 330  | 1  | 414  | 1.6   | 529  | 14                     | 11  | 290  |
| BZW06-256      | BZW06-256B    | 5   | 256  | 285   | 300  | 315  | 1  | 414  | 1.6   | 529  | 14                     | 11  | 290  |
| BZW06P273      | BZW06P273B    | 5   | 273  | 304   | 320  | 352  | 1  | 438  | 1.6   | 564  | 14                     | 11  | 280  |
| BZW06-273      | BZW06-273B    | 5   | 273  | 304   | 320  | 336  | 1  | 438  | 1.6   | 564  | 14                     | 11  | 280  |
| BZW06P299      | BZW06P299B    | 5   | 299  | 332   | 350  | 385  | 1  | 482  | 1.6   | 618  | 14                     | 11  | 270  |
| BZW06-299      | BZW06-299B    | 5   | 299  | 332   | 350  | 368  | 1  | 482  | 1.6   | 618  | 14                     | 11  | 270  |
| BZW06P342      | BZW06P342B    | 5   | 342  | 380   | 400  | 440  | 1  | 548  | 1.3   | 706  | 11                     | 11  | 360  |
| BZW06-342      | BZW06-342B    | 5   | 342  | 380   | 400  | 420  | 1  | 548  | 1.3   | 706  | 11                     | 11  | 360  |
| BZW06P376      | BZW06P376B    | 5   | 376  | 418   | 440  | 484  | 1  | 603  | 1.3   | 776  | 11                     | 11  | 350  |
| BZW06-376      | BZW06-376B    | 5   | 376  | 418   | 440  | 462  | 1  | 603  | 1.3   | 776  | 11                     | 11  | 350  |

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2 %.

\*\* Divide these values by 2 for bidirectional types.

For bidirectional types, electrical characteristics apply in both directions.



Fig. 1 - Peak pulse power versus exponential pulse duration.



Fig. 2 - Clamping voltage versus peak pulse current.  
 exponential waveform  $t = 20\ \mu\text{s}$  .....  
 $t = 1\ \text{ms}$  ----  
 $t = 10\ \text{ms}$  ———

Note : The curves of the figure 2 are specified for a junction temperature of  $25^\circ\text{C}$  before surge. The given results may be extrapolated for other junction temperatures by using the following formula :  $\Delta V(BR) = \alpha_T(V(BR)) \times [T_j - 25] \times V(BR)$   
 For intermediate voltages, extrapolate the given results.

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Fig.3 - Allowable power dissipation versus junction temperature.

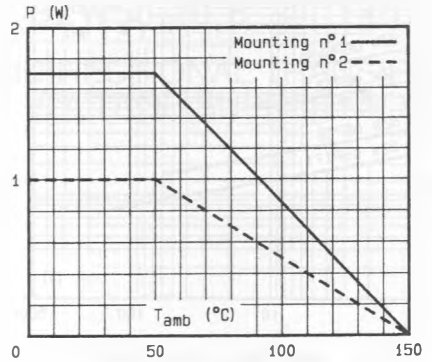


Fig.4 - Power dissipation versus ambient temperature.



Fig.5 - Thermal resistance versus lead length.

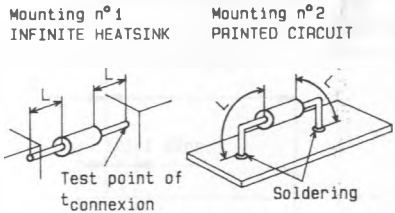


Fig.6 - Transient thermal impedance junction-ambient for mounting n°2 versus pulse duration ( $L = 10$  mm).

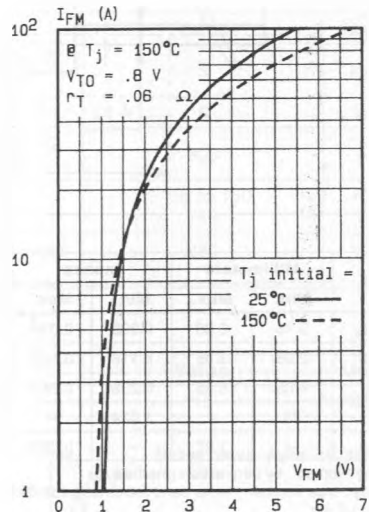


Fig.7 - Peak forward current versus peak forward voltage drop (typical values for unidirectional types).

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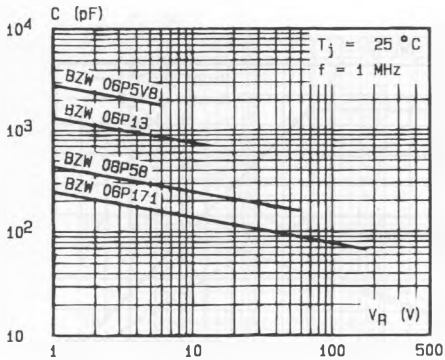


Fig.8a - Capacitance versus reverse applied voltage for unidirectional types (typical values).

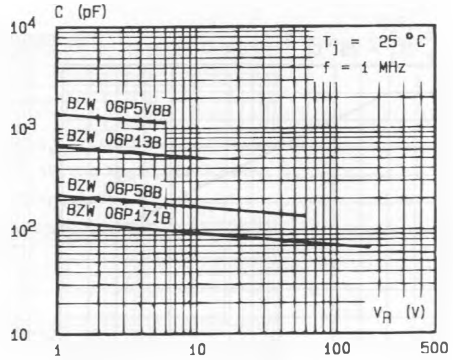


Fig.8b - Capacitance versus reverse applied voltage for bidirectional types (typical values).

D88BZW06P6

**PACKAGE MECHANICAL DATA**

F 126 Plastic



| Ref.             | Millimeters |      | Inches |       | Notes   |
|------------------|-------------|------|--------|-------|---|
|                  | Min.        | Max. | Min.   | Max.  |   |
| ∅ b <sub>2</sub> | 0.76        | 0.86 | 0.029  | 0.034 | 1 - The lead diameter ∅ b <sub>2</sub> is not controlled over zone L <sub>1</sub> .<br>2 - The minimum axial length within which the device may be placed with its leads bent at right angles is 0.59" (15 mm). |
| ∅ D              | 2.95        | 3.05 | 0.116  | 0.120 |   |
| G                | 6.05        | 6.35 | 0.238  | 0.250 |   |
| L                | 26          | -    | 1.024  | -     |   |
| L <sub>1</sub>   | -           | 1.27 | -      | 0.050 |   |

Cooling method : by convection (method A).

Marking : type number ; white band indicates cathode for unidirectional types.

Weight : 0.4 g