

## ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified

| Type       | Marking | Zener Voltage                           |      | Dynamic             | Temp.Coefficient of                   |      | Test | Dynamic               | Test | Reverse Leakage     |                       |
|------------|---------|-----------------------------------------|------|---------------------|---------------------------------------|------|------|-----------------------|------|---------------------|-----------------------|
|            |         | rang <sup>(1)</sup> at I <sub>ZT1</sub> |      | Resistance          | Zener voltage at I <sub>ZT1</sub>     |      |      | Resistance            |      | Current             |                       |
|            |         | V <sub>Z</sub> (V)                      |      | at I <sub>ZT1</sub> | α <sub>VZ</sub> (10 <sup>-4</sup> /K) |      |      | at I <sub>ZT2</sub>   |      | at                  |                       |
|            |         | min                                     | max  | r <sub>zj</sub> (Ω) | min                                   | max  |      | I <sub>ZT1</sub> (mA) |      | r <sub>zj</sub> (Ω) | I <sub>ZT2</sub> (mA) |
| BZX384C2V4 | W1      | 2.20                                    | 2.60 | 70 (≤100 )          | -9.0                                  | -4.0 | 5    | 275                   | 1.0  | 50.0                | 1.0                   |
| BZX384C2V7 | W2      | 2.50                                    | 2.90 | 75 (≤100)           | -9.0                                  | -4.0 | 5    | 300 (≤600 )           | 1.0  | 20.0                | 1.0                   |
| BZX384C3V0 | W3      | 2.80                                    | 3.20 | 80 (≤95)            | -9.0                                  | -3.0 | 5    | 325 (≤600 )           | 1.0  | 10.0                | 1.0                   |
| BZX384C3V3 | W4      | 3.10                                    | 3.50 | 85 (≤95)            | -8.0                                  | -3.0 | 5    | 350 (≤600 )           | 1.0  | 5.00                | 1.0                   |
| BZX384C3V6 | W5      | 3.40                                    | 3.80 | 85 (≤90)            | -8.0                                  | -3.0 | 5    | 375 (≤600 )           | 1.0  | 5.00                | 1.0                   |
| BZX384C3V9 | W6      | 3.70                                    | 4.10 | 85 (≤90)            | -7.0                                  | -3.0 | 5    | 400 (≤600 )           | 1.0  | 3.00                | 1.0                   |
| BZX384C4V3 | W7      | 4.00                                    | 4.60 | 80 (≤90)            | -6.0                                  | -1.0 | 5    | 410 (≤600 )           | 1.0  | 3.00                | 1.0                   |
| BZX384C4V7 | W8      | 4.40                                    | 5.00 | 50 (≤80)            | -5.0                                  | 2.0  | 5    | 425 (≤500 )           | 1.0  | 3.00                | 2.0                   |
| BZX384C5V1 | W9      | 4.80                                    | 5.40 | 40 (≤60)            | -3.0                                  | 4.0  | 5    | 400 (≤480 )           | 1.0  | 2.00                | 2.0                   |
| BZX384C5V6 | WA      | 5.20                                    | 6.00 | 15 (≤40)            | -2.0                                  | 6.0  | 5    | 80 (≤400 )            | 1.0  | 1.00                | 2.0                   |
| BZX384C6V2 | WB      | 5.80                                    | 6.60 | 6.0 (≤10)           | -1.0                                  | 7.0  | 5    | 40 (≤150 )            | 1.0  | 3.00                | 4.0                   |
| BZX384C6V8 | WC      | 6.40                                    | 7.20 | 6.0 (≤15)           | 2.0                                   | 7.0  | 5    | 30 (≤80 )             | 1.0  | 2.00                | 4.0                   |
| BZX384C7V5 | WD      | 7.00                                    | 7.90 | 6.0 (≤15)           | 3.0                                   | 7.0  | 5    | 30 (≤80 )             | 1.0  | 1.00                | 5.0                   |
| BZX384C8V2 | WE      | 7.70                                    | 8.70 | 6.0 (≤15)           | 4.0                                   | 7.0  | 5    | 40 (≤80 )             | 1.0  | 0.70                | 5.0                   |
| BZX384C9V1 | WF      | 8.50                                    | 9.60 | 6.0 (≤15)           | 5.0                                   | 8.0  | 5    | 40 (≤100 )            | 1.0  | 0.50                | 6.0                   |
| BZX384C10  | WG      | 9.40                                    | 10.6 | 8.0 (≤20)           | 5.0                                   | 8.0  | 5    | 50 (≤150 )            | 1.0  | 0.20                | 7.0                   |
| BZX384C11  | WH      | 10.4                                    | 11.6 | 10 (≤20)            | 5.0                                   | 9.0  | 5    | 50 (≤150 )            | 1.0  | 0.10                | 8.0                   |
| BZX384C12  | WI      | 11.4                                    | 12.7 | 10 (≤25)            | 6.0                                   | 9.0  | 5    | 50 (≤150 )            | 1.0  | 0.10                | 8.0                   |
| BZX384C13  | WK      | 12.4                                    | 14.1 | 10 (≤30)            | 7.0                                   | 9.0  | 5    | 50 (≤170 )            | 1.0  | 0.10                | 8.0                   |
| BZX384C15  | WL      | 13.8                                    | 15.6 | 10 (≤30)            | 7.0                                   | 9.0  | 5    | 50 (≤200 )            | 1.0  | 0.05                | 0.7 Vznom.            |
| BZX384C16  | WM      | 15.3                                    | 17.1 | 10 (≤40)            | 8.0                                   | 9.5  | 5    | 50 (≤200 )            | 1.0  | 0.05                | 0.7 Vznom.            |
| BZX384C18  | WN      | 16.8                                    | 19.1 | 10 (≤45)            | 8.0                                   | 9.5  | 5    | 50 (≤225 )            | 1.0  | 0.05                | 0.7 Vznom.            |
| BZX384C20  | WO      | 18.8                                    | 21.2 | 15 (≤55)            | 8.0                                   | 10.0 | 5    | 60 (≤225 )            | 1.0  | 0.05                | 0.7 Vznom.            |
| BZX384C22  | WP      | 20.8                                    | 23.3 | 20 (≤55)            | 8.0                                   | 10.0 | 5    | 60 (≤250 )            | 1.0  | 0.05                | 0.7 Vznom.            |
| BZX384C24  | WR      | 22.8                                    | 25.6 | 25 (≤70)            | 8.0                                   | 10.0 | 5    | 60 (≤250 )            | 1.0  | 0.05                | 0.7 Vznom.            |
| BZX384C27  | WS      | 25.1                                    | 28.9 | 25 (≤80)            | 8.0                                   | 10.0 | 2    | 65 (≤300 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C30  | WT      | 28.0                                    | 32.0 | 30 (≤80)            | 8.0                                   | 10.0 | 2    | 70 (≤300 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C33  | WU      | 31.0                                    | 35.0 | 35 (≤80)            | 8.0                                   | 10.0 | 2    | 75 (≤325 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C36  | WW      | 34.0                                    | 38.0 | 35 (≤90)            | 8.0                                   | 10.0 | 2    | 80 (≤350 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C39  | WX      | 37.0                                    | 41.0 | 40 (≤130)           | 10.0                                  | 12.0 | 2    | 80 (≤350 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C43  | WY      | 40.0                                    | 46.0 | 45 (≤150)           | 10.0                                  | 12.0 | 2    | 85 (≤375 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C47  | WZ      | 44.0                                    | 50.0 | 50 (≤170)           | 10.0                                  | 12.0 | 2    | 85 (≤375 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C51  | X1      | 48.0                                    | 54.0 | 60 (≤180)           | 10.0                                  | 12.0 | 2    | 85 (≤400 )            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C56  | X2      | 52.0                                    | 60.0 | 70 (≤200)           | 9.0                                   | 11.0 | 2    | 100 (≤425 )           | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C62  | X3      | 58.0                                    | 66.0 | 80 (≤215)           | 9.0                                   | 12.0 | 2    | 100 (≤450)            | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C68  | X4      | 64.0                                    | 72.0 | 90 (≤240)           | 10.0                                  | 12.0 | 2    | 150 (≤475 )           | 0.5  | 0.05                | 0.7 Vznom.            |
| BZX384C75  | X5      | 70.0                                    | 79.0 | 95 (≤255)           | 10.0                                  | 12.0 | 2    | 170 (≤500 )           | 0.5  | 0.05                | 0.7 Vznom.            |

Notes :

(1) Measured with pulses  $p = 5$  ms