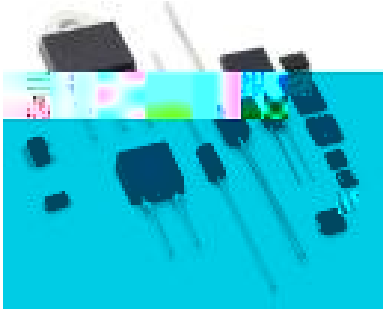






# TVS Diode series

TVS

- 
- 0->VBR 1ps
- 
- 
- 5000W 10/1000μs

| | | |
|---|---|---|
| Wafer tech | | |
| Wafer Size | Φ5inch | |
| Chip Thickness | D=265±15μm( ) | |
| T1/T2 Metal | Front | TiNiAg |
| | Back | TiNiAg |
| Chip Size | (A: μm) Chip | 5 |

| Uni | Bi | $V_{RWM}$ | $V_{BR}$ @ $I_T$ | | $I_T$ | Vc @$I_{pp}$ | $I_{pp}$ | $I_R$ @$V_{RWM}$ |
|---|---|---|---|---|---|---|---|---|
| | | (V) | (V)min | (V)max | (mA) | (V) max | (A) min | (μA) max |
| TP022L-N5V0A2 | TP022L-N5V0C1 | 5 | 6.4 | 7 | 50 | 9.2 | 544.0 | 3000 |
| TP022L-N6V0A2 | TP022L-N6V0C1 | 6 | 6.67 | 7.37 | 50 | 10.3 | 486.0 | 3000 |
| TP022L-N6V5A2 | TP022L-N6V5C1 | 6.5 | 7.22 | 7.98 | 50 | 11.2 | 448.0 | 250 |
| TP022L-N7V0A2 | TP022L-N7V0C1 | 7 | 7.78 | 8.6 | 50 | 12 | 417.0 | 100 |
| TP022L-N7V5A2 | TP022L-N7V5C1 | 7.5 | 8.33 | 9.21 | 5 | 12.9 | 388.0 | 75 |
| TP022L-N8V0A2 | TP022L-N8V0C1 | 8 | 8.89 | 9.83 | 5 | 13.6 | 367.0 | 50 |
| TP022L-N8V5A2 | TP022L-N8V5C1 | 8.5 | 9.44 | 10.4 | 5 | 14.4 | 347.0 | 20 |
| TP022L-N9V0A2 | TP022L-N9V0C1 | 9 | 10 | 11.1 | 5 | 15.4 | 325.0 | 10 |
| TP022L-N010A2 | TP022L-N010C1 | 10 | 11.1 | 12.3 | 5 | 17 | 294.0 | 5 |
| TP022L-N011A1 | TP022L-N011C1 | 11 | 12.2 | 13.5 | 5 | 18.2 | 275.0 | 1.58 |
| TP022L-N012A1 | TP022L-N012C1 | 12 | 13.3 | 14.7 | 5 | 19.9 | 252.0 | 1.58 |
| TP022L-N013A1 | TP022L-N013C1 | 13 | 14.4 | 15.9 | 5 | 21.5 | 233.0 | 1.58 |
| TP022L-N014A1 | TP022L-N014C1 | 14 | 15.6 | 17.2 | 5 | 23.2 | 216.0 | 1.58 |
| TP022L-N015A1 | TP022L-N015C1 | 15 | 16.7 | 18.5 | 5 | 24.4 | 205.0 | 1.58 |
| TP022L-N016A1 | TP022L-N016C1 | 16 | 17.8 | 19.7 | 5 | 26 | 193.0 | 1.58 |
| TP022L-N017A1 | TP022L-N017C1 | 17 | 18.9 | 20.9 | 5 | 27.6 | 181.0 | 1.58 |
| TP022L-N018A1 | TP022L-N018C1 | 18 | 20 | 22.1 | 5 | 29.2 | 172.0 | 1.58 |
| TP022L-N020A1 | TN022L-N020C3 | 20 | 22.2 | 24.5 | 5 | 32.4 | 155.0 | 1.58 |
| TP022L-N022A1 | TN022L-N022C3 | 22 | 24.4 | 26.9 | 5 | 35.5 | 141.0 | 1.58 |
| TP022L-N024A1 | TN022L-N024C3 | 24 | 26.7 | 29.5 | 5 | 38.9 | 129.0 | 1.58 |
| TP022L-N026A1 | TN022L-N026C3 | 26 | 28.9 | 31.9 | 5 | 42.1 | 119.0 | 1.58 |
| TP022L-N028A1 | TN022L-N028C3 | 28 | 31.1 | 34.4 | 5 | 45.4 | 110.0 | 1.58 |
| TP022L-N030A1 | TN022L-N030C3 | 30 | 33.3 | 36.8 | 5 | 48.4 | 103.0 | 1.58 |
| TP022L-N033A1 | TN022L-N033C3 | 33 | 36.7 | 40.6 | 5 | 53.3 | 93.9 | 1.58 |
| TP022L-N036A1 | TN022L-N036C3 | 36 | 40 | 44.2 | 5 | 58.1 | 86.1 | 1.58 |
| TP022L-N040A1 | TN022L-N040C3 | 40 | 44.4 | 49.1 | 5 | 64.5 | 77.6 | 1.58 |
| TP022L-N043A1 | TN022L-N043C3 | 43 | 47.8 | 52.8 | 5 | 69.4 | 72.1 | 1.58 |
| TP022L-N045A1 | TN022L-N045C3 | 45 | 50 | 55.3 | 5 | 72.7 | 68.8 | 1.58 |
| TP022L-N048A1 | TN022L-N048C3 | 48 | 53.3 | 58.9 | 5 | 77.4 | 64.7 | 1.58 |
| TP022L-N051A1 | TN022L-N051C3 | 51 | 56.7 | 62.7 | 5 | 82.4 | 60.7 | 1.58 |
| TP022L-N054A1 | TN022L-N054C3 | 54 | 60 | 66.3 | 5 | 87.1 | 57.5 | 1.58 |
| TP022L-N058A1 | TN022L-N058C3 | 58 | 64.4 | 71.2 | 5 | 93.6 | 53.5 | 1.58 |
| TP022L-N060A1 | TN022L-N060C3 | 60 | 66.7 | 73.7 | 5 | 96.8 | 51.7 | 1.58 |
| TP022L-N064A1 | TN022L-N064C3 | 64 | 71.1 | 78.6 | 5 | 103 | 48.6 | 1.58 |
| TN022L-N070A1 | TN022L-N070C3 | 70 | 77.8 | 86 | 5 | 113 | 44.3 | 1.58 |
| TN022L-N075A1 | TN022L-N075C3 | 75 | 83.3 | 92.1 | 5 | 121 | 41.4 | 1.58 |
| TN022L-N080A1 | TN022L-N080C3 | 80 | 86.7 | 95.8 | 5 | 126 | 39.7 | 1.58 |
| TN022L-N085A1 | TN022L-N085C3 | 85 | 94.4 | 104 | 5 | 137 | 36.5 | 1.58 |