

SMF4728A~

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| Part Number | Nominal Zener Voltage | | Maximum Zener Impedance | | | Maximum DC Zener Current | | Maximum DC Zener Current | Maximum Surge Current |
|-------------|-----------------------|----------|-------------------------|-------------------|----------|--------------------------|------|--------------------------|-----------------------|
| | $V_Z @ I_{ZT}$ | I_{ZT} | $Z_{ZT} @ I_{ZT}$ | $Z_{ZK} @ I_{ZK}$ | I_{ZK} | $I_R @ V_R$ | | I_{ZM} | I_{RM} |
| | (V) | (mA) | | | (mA) | (μ A) | (V) | (mA) | (mApk) |
| SMF4728A | 3.3 | 76 | 10 | 400 | 1 | 100 | 1 | 274 | 1370 |
| SMF4729A | 3.6 | 69 | 10 | 400 | 1 | 100 | 1 | 251 | 1255 |
| SMF4730A | 3.9 | 64 | 9 | 400 | 1 | 50 | 1 | 232 | 1160 |
| SMF4731A | 4.3 | 58 | 9 | 400 | 1 | 10 | 1 | 210 | 1050 |
| SMF4732A | 4.7 | 53 | 8 | 500 | 1 | 10 | 1 | 192 | 960 |
| SMF4733A | 5.1 | 49 | 7 | 550 | 1 | 10 | 1 | 177 | 885 |
| SMF4734A | 5.6 | 45 | 5 | 600 | 1 | 10 | 2 | 161 | 805 |
| SMF4735A | 6.2 | 41 | 2 | 700 | 1 | 10 | 3 | 146 | 730 |
| SMF4736A | 6.8 | 37 | 3.5 | 700 | 1 | 5 | 4 | 133 | 660 |
| SMF4737A | 7.5 | 34 | 4 | 700 | 0.5 | 5 | 5 | 121 | 605 |
| SMF4738A | 8.2 | 31 | 4.5 | 700 | 0.5 | 5 | 6 | 110 | 550 |
| SMF4739A | 9.1 | 28 | 5 | 700 | 0.5 | 0.5 | 7 | 100 | 500 |
| SMF4740A | 10 | 25 | 7 | 700 | 0.25 | 0.5 | 7.6 | 91 | 454 |
| SMF4741A | 11 | 23 | 8 | 700 | 0.25 | 0.1 | 8.4 | 83 | 414 |
| SMF4742A | 12 | 21 | 9 | 700 | 0.25 | 0.1 | 9.1 | 76 | 380 |
| SMF4743A | 13 | 19 | 10 | 700 | 0.25 | 0.1 | 9.9 | 69 | 344 |
| SMF4744A | 15 | 17 | 14 | 700 | 0.25 | 0.1 | 11.4 | 61 | 305 |
| SMF4745A | 16 | 15.5 | 16 | 700 | 0.25 | 0.1 | 12.2 | 57 | 285 |
| SMF4746A | 18 | 14 | 20 | 750 | 0.25 | 0.1 | 13.7 | 50 | 250 |
| SMF4747A | 20 | 12.5 | 22 | 750 | 0.25 | 0.1 | 15.2 | 45 | 225 |
| SMF4748A | 22 | 11.5 | 23 | 750 | 0.25 | 0.1 | 16.7 | 41 | 205 |
| SMF4749A | 24 | 10.5 | 25 | 750 | 0.25 | 0.1 | 18.2 | 38 | 190 |
| SMF4750A | 27 | 9.5 | 35 | 750 | 0.25 | 0.1 | 20.6 | 34 | 170 |
| SMF4751A | 30 | 8.5 | 40 | 1000 | 0.25 | 0.1 | 22.8 | 30 | 150 |
| SMF4752A | 33 | 7.5 | 45 | 1000 | 0.25 | 0.1 | 25.1 | 27 | 135 |
| SMF4753A | 36 | 7 | 50 | 1000 | 0.25 | 0.1 | 27.4 | 25 | 125 |
| SMF4754A | 39 | 6.5 | 60 | 1000 | 0.25 | 0.1 | 29.7 | 23 | 115 |
| SMF4755A | 43 | 6 | 70 | 1500 | 0.25 | 0.1 | 32.7 | 22 | 110 |
| SMF4756A | 47 | 5.5 | 85 | 2000 | 0.25 | 0.1 | 35.8 | 19 | 95 |
| SMF4757A | 51 | 5 | 100 | 2000 | 0.25 | 0.1 | 38.8 | 18 | 90 |
| SMF4758A | 56 | 4.5 | 120 | 2000 | 0.25 | 0.1 | 42.6 | 16 | 80 |
| SMF4759A | 62 | 4 | 150 | 2000 | 0.25 | 0.1 | 47.1 | 14 | 70 |
| SMF4760A | 68 | 3.5 | 175 | 2000 | 0.25 | 0.1 | 51.7 | 13 | 65 |
| SMF4761A | 75 | 3 | 200 | 3000 | 0.25 | 0.1 | 56 | 12 | 60 |
| SMF4762A | 82 | 2.8 | 250 | 3000 | 0.25 | 0.1 | 62.2 | 11 | 55 |
| SMF4763A | 91 | 2.5 | 350 | 3000 | 0.25 | 0.1 | 69.2 | 10 | 50 |
| SMF4764A | 100 | 2.3 | 450 | 4000 | 0.25 | 0.1 | 76 | 9 | 45 |
| SMF1170A | 2.3 | 450 | 4000 | 0.25 | 0.1 | 83.6 | 8.6 | 40 | 200 |
| SMF1171A | 2 | 550 | 4500 | 0.25 | 0.1 | 91.2 | 7.8 | 37 | 185 |
| SMF1172A | 1.9 | 700 | 5000 | 0.25 | 0.1 | 98.8 | 7 | 34 | 170 |
| SMF1173A | 1.7 | 1000 | 6000 | 0.25 | 0.1 | 114 | 6.4 | 30 | 150 |
| SMF1174A | 1.6 | 1100 | 6500 | 0.25 | 0.1 | 121.6 | 5.8 | 28 | 140 |
| SMF1175A | 1.4 | 1200 | 7000 | 0.25 | 0.1 | 136.8 | 5.2 | 25 | 125 |
| SMF1200A | 1.2 | 1900 | 9990 | 0.25 | 0.1 | 152 | 4.7 | 22 | 110 |
| SMF1220A | 1 | 1600 | 8000 | 0.25 | 0.1 | 167.2 | 4 | 20 | 100 |
| SMF1240A | 0.9 | 100 | 8500 | 0.25 | 0.1 | 182.4 | 3.8 | 19 | 95 |
| SMF1250A | 0.9 | 2000 | 9000 | 0.25 | 0.1 | 190 | 3.6 | 18 | 90 |
| SMF1270A | 0.8 | 2100 | 9000 | 0.25 | 0.1 | 205 | 3.3 | 16 | 80 |
| SMF1300A | 0.8 | 2300 | 9500 | 0.25 | 0.1 | 228 | 3 | 15 | 75 |
| SMF1330A | 0.7 | 2500 | 9500 | 0.25 | 0.1 | 250.2 | 2.7 | 13 | 65 |

Notes :

- (1) The tolerance on the nominal zener voltage of this device is $\pm 1\%$.
- (2) The surge current is a non-repetitive, 8.3ms pulse width square wave or equivalent superimposed on IZT per JEDEC.

FIG1: Maximum Continuous Power Dissipation

