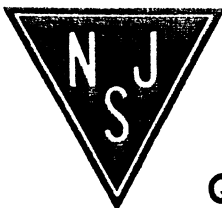


1N2128A thru 1N2131AR

| Maximum Ratings ($T_J = 25^\circ\text{C}$, unless otherwise noted) | | | | | | | |
|--|--|-------------|------------|------------|------------|------------|---------------|
| Parameter | Test Conditions | Symbol | 1N2128A(R) | 1N2129A(R) | 1N2130A(R) | 1N2131A(R) | Units |
| Repetitive peak reverse voltage | | V_{RRM} | 50 | 100 | 150 | 200 | V |
| RMS reverse voltage | | V_{RMS} | 35 | 70 | 105 | 140 | V |
| DC blocking voltage | | V_{DC} | 50 | 100 | 150 | 200 | V |
| Continuous forward current | $T_C \leq 150^\circ\text{C}$ | $I_{F(AV)}$ | 60 | 60 | 60 | 60 | A |
| Surge non-repetitive forward current, half-sine wave | $T_C = 25^\circ\text{C}$ | I_{FSM} | 1050 | 1050 | 1050 | 1050 | A |
| Maximum peak forward voltage | $I_F = 60\text{A}, T_J = 25^\circ\text{C}$ | V_F | 1.1 | 1.1 | 1.1 | 1.1 | V |
| Reverse current | $T_J = 25^\circ\text{C}$ | I_R | 10 | 10 | 10 | 10 | μA |
| | $T_J = 140^\circ\text{C}$ | | 15 | 15 | 15 | 15 | mA |

| Thermal & Mechanical Specifications ($T_J = 25^\circ\text{C}$, unless otherwise noted) | | | | | | |
|--|--------------|----------------|------------|------------|------------|---------------------------|
| Parameters | Symbol | 1N2128A(R) | 1N2129A(R) | 1N2130A(R) | 1N2131A(R) | Units |
| Thermal resistance, junction to case | $R_{th(jc)}$ | 0.65 | 0.65 | 0.65 | 0.65 | $^\circ\text{C}/\text{W}$ |
| Operating junction temperature range | T_J | -55 to 160 | -55 to 160 | -55 to 160 | -55 to 160 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to 160 | -55 to 160 | -55 to 160 | -55 to 160 | $^\circ\text{C}$ |
| Mounting torque, non-lubricated threads, tightening on nut | F | $3.4 \pm 10\%$ | | | | Nm |
| Approximate weight | W | 16 | | | | g |



Dimensions for DO-203AB (DO-5) (in millimeters)

