

R2KY

AVALANCHE DIODE

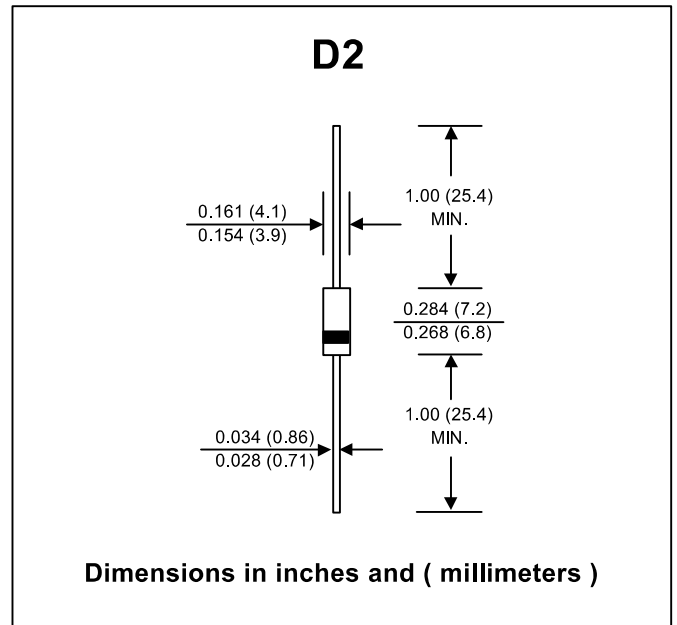
V_{RM} : 120 Volts
I_{ZSM} : 2.0 Amp. (100 μs)

FEATURES :

- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop

MECHANICAL DATA :

- * Case : D2 Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.465 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
 Single phase, half wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

| RATING | SYMBOL | VALUE | UNIT |
|---|----------------------|---------------|------|
| Repetitive Peak Reverse Voltage | V _{RM} | 120 | V |
| Maximum DC Blocking Reverse Voltage | V _{DC} | 120 | V |
| Minimum Avalanche Breakdown Voltage at I _Z = 1mA | V _{BR(min)} | 130 | V |
| Maximum Avalanche Breakdown Voltage at I _Z = 1mA | V _{BR(max)} | 155 | V |
| Maximum Allowable Avalanche Current (Note 1) | I _{ZSM} | 2.0 | A |
| Maximum Reverse Current at V _{RRM} T _a = 25°C | I _R | 10 | μA |
| Maximum Reverse Current at V _{RRM} T _a = 100°C | I _{R(H)} | 50 | μA |
| Typical Avalanche Voltage Temperature Coefficient at I _Z = 1mA | | +0.15 | V/°C |
| Junction Temperature Range | T _J | - 40 to + 130 | °C |
| Storage Temperature Range | T _{STG} | - 40 to + 150 | °C |

Notes :

(1) Non-Repetitive Current Pulse width 100μs Square wave, one shot.