

R2KN

V_{RM} : 140 Volts

I_{ZSM} : 1.0 Amp. (100 ms)

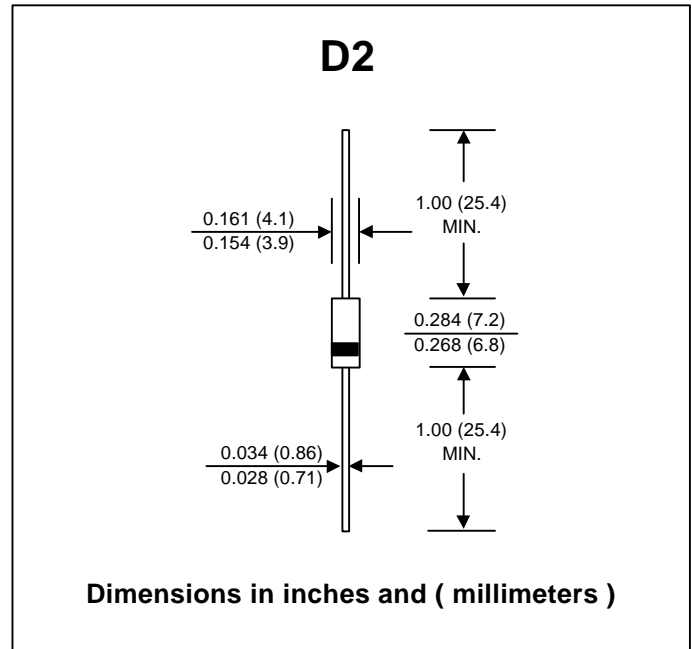
FEATURES :

- * 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

AVALANCHE DIODE



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%.

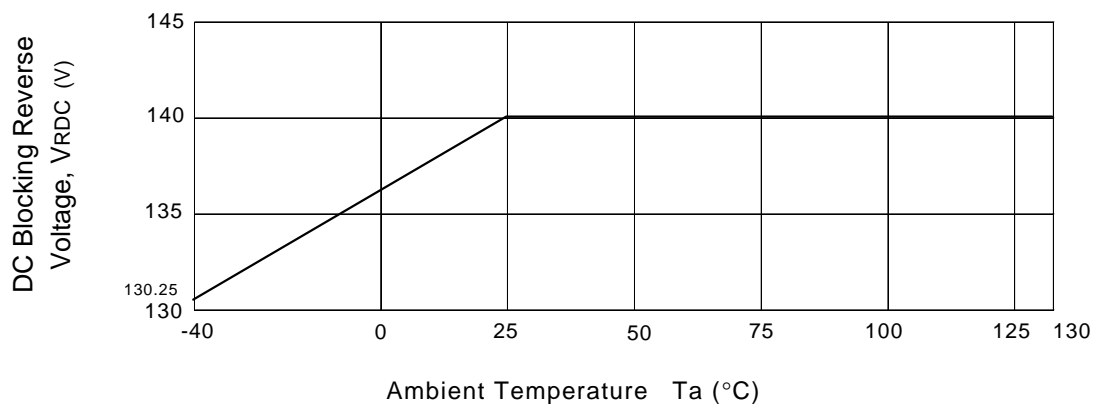
RATING	SYMBOL	VALUE	UNIT
Maximum Peak Reverse Voltage	V _{RM}	140	V
Maximum DC Blocking Reverse Voltage	V _{DC}	140	V
Minimum Avalanche Breakdown Voltage at I _Z = 1mA	V _{BR(min)}	150	V
Maximum Avalanche Breakdown Voltage at I _Z = 1mA	V _{BR(max)}	170	V
Maximum Allowable Avalanche Current (Note 1)	I _{ZSM}	1.0	A
Maximum Reverse Current at V _{RM} Ta = 25°C	I _R	10	μA
Maximum Reverse Current at V _{RM} Ta = 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 + 130	°C

Notes :

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

RATING AND CHARACTERISTIC CURVES (R2KN)

$V_{R(DC)}$ - T_a Characteristic



V_z Temperature Coefficient

