

R2KY

V_{RM} : 120 Volts

I_{ZSM} : 2.0 Amp. (100 μ s)

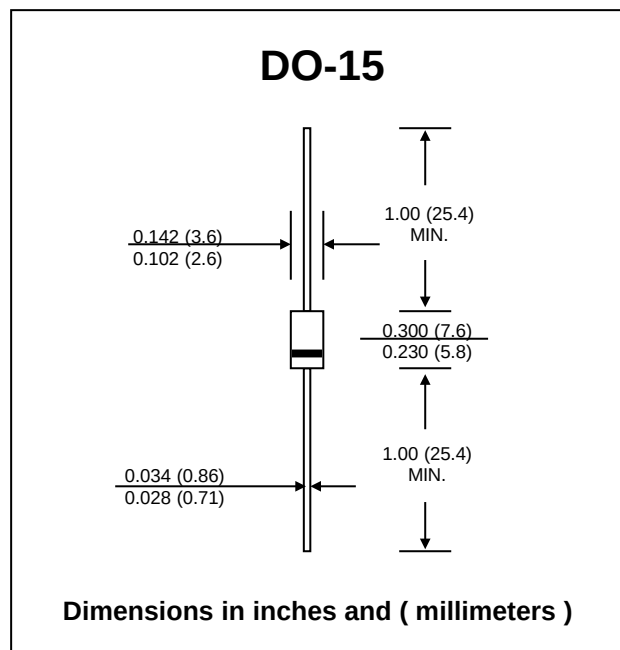
FEATURES :

- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : DO-15 Molded plastic
- * Epoxy : UL94V-0 rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.4 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%.

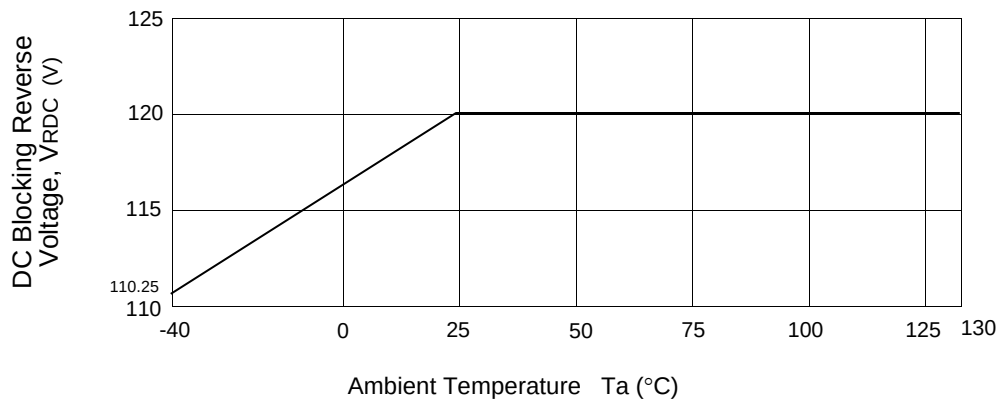
RATING	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V _{RM}	120	V
Maximum DC Blocking Reverse Voltage	V _{DC}	120	V
Minimum Avalanche Breakdown Voltage at I _Z = 1mA	V _{BR(min)}	130	V
Maximum Avalanche Breakdown Voltage at I _Z = 1mA	V _{BR(max)}	155	V
Maximum Allowable Avalanche Current (Note 1)	I _{ZSM}	2.0	A
Maximum Reverse Current at V _{RRM} Ta = 25°C	I _R	10	μ A
Maximum Reverse Current at V _{RRM} Ta = 100°C	I _{R(H)}	50	μ A
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 100 μ s Square wave, one shot.

RATING AND CHARACTERISTIC CURVES (R2KY)

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



V_Z Temperature Coefficient

