

RM25

V_{RM} : 40 Volts
I_{ZSM} : 3.0 Amp. (10 ms)

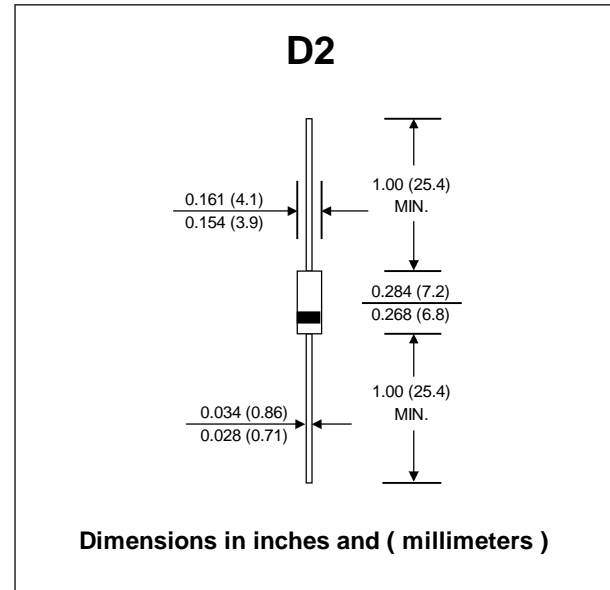
FEATURES :

- * Excellent clamping capability
- * Low zener impedance
- * Fast response time : typically less
- * **Pb / RoHS Free**

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.
 For capacitive load, derate current by 20%.

RATING	SYMBOL	VALUE	UNIT
Working Peak Reverse Voltage	V _{RWM}	40	V
Allowable Avalanche Current, Rectangular wave Single Shot	I _{ZSM}	3.0 (10ms)	A
Instantaneous Avalanche Voltage at I _Z = 1 mA	V _Z	50 to 61.5	V
Maximum Reverse Leakage at Working Peak Reverse Voltage	I _R	5.0	μA
	I _{R(H)}	50	
Maximum Equivalent Resistance of Breakdown region at I _Z = 0.5 to 1.5 A	R _Z	5	Ω
Temperature Coefficient at I _Z = 1mA	γ _Z	0.09	%/°C
Junction Temperature Range	T _J	- 40 to + 130	°C
Storage Temperature Range	T _{STG}	- 40 to + 130	°C