R2M

Over Vlotage Protaction Diodes

BREAKDOWN VOLTAGE: 135-150V
REVERSE SURGE CURRENT: 1A

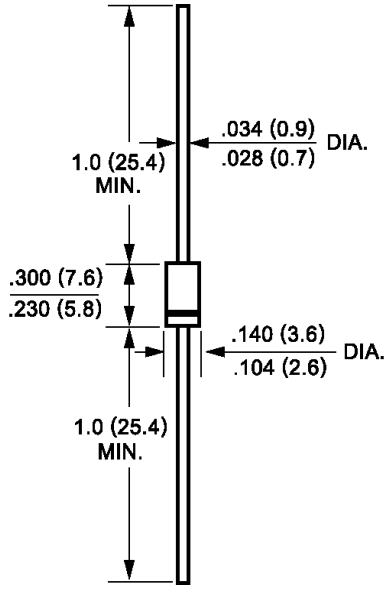
Features

- Excellent clamping capability
- Low incremental surge resistance
- High temperature soldering guaranteed: 250°C/10S/9.5mm lead length at 5 lbs tension

Mechanical Data

- Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C
- Case: Molded with UL-94 Class V-O recognized flame retardant epoxy
- Polarity: Color band denotes cathode
- Mounting position: Any

DO - 15



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

(Ratings at 25°C ambient temperature unless otherwise specified)

RATINGS	SYMBOL	TEST CONDITION	VALUE		UNITS
			Min.	Max.	
Reverse Surge Current	I_{RSM}			1.0	A
Reverse Blocking Voltage	V_{DC}		130		V
Forward Voltage	V_F	I_F=0.5A		1.0	V
Reverse Breakdown Voltage	V_Z	I_Z=1.0mA (transient)	135	150	V
Reverse Current	I_{R1}	V_R=130V,25°C		10	μA
High Temperature Reverse Current	I_{R2}	V_R=130V,100°C		50	μA
Typical Temperature Coefficient of Reverse Breakdown Voltage	α(Vz)	I_Z=1.0mA	0.15typ		V/°C
Operating Junction and Storage Temperature Range	T_J,T_{STG}		-55	175	°C