



R2M

**OVER VOLTAGE
PROTECTION DIODE**

**TECHNICAL
SPECIFICATION**

BREAKDOWN VOLTAGE: 135-150V

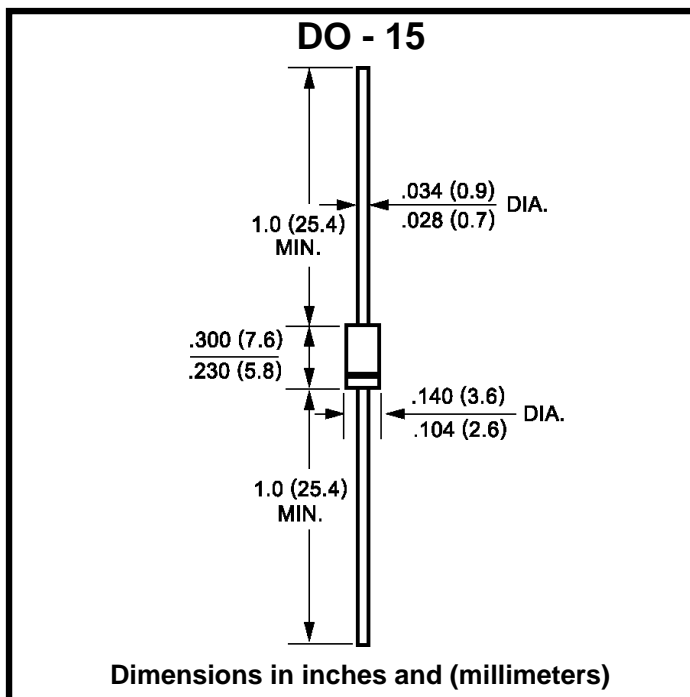
REVERSE SURGE CURRENT: 1A

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



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}	$V_R=130V, 25^\circ C$		10	μA
High Temperature Reverse Current	I_{R2}	$V_R=130V, 100^\circ C$		50	μA
Typical Temperature Coefficient of Reverse Breakdown Voltage	$\alpha(V_Z)$	$I_Z=1.0mA$	0.15typ		$V/^\circ C$
Operating Junction and Storage Temperature Range	T_J, T_{STG}		-55	175	$^\circ C$