



**R2M**

**OVER VOLTAGE  
PROTECTION DIODE**

**TECHNICAL  
SPECIFICATION**

**BREAKDOWN VOLTAGE: 135-150V**

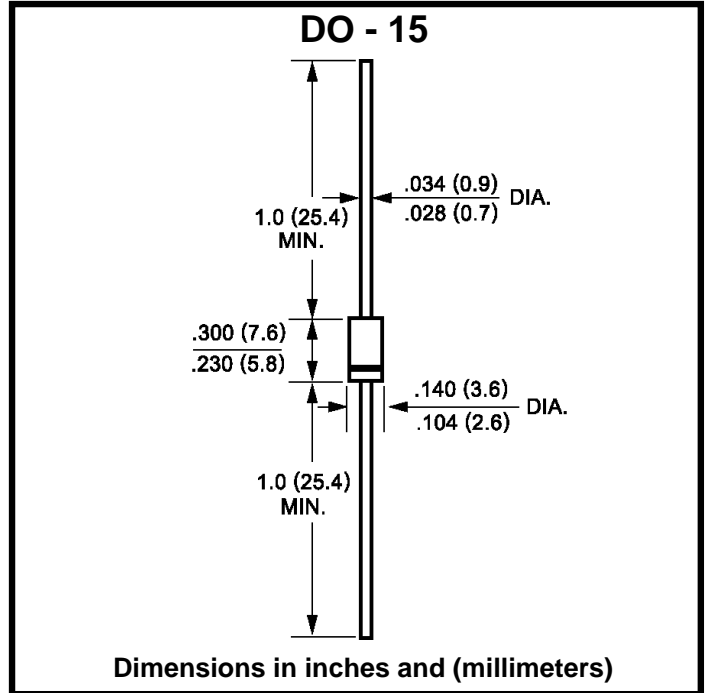
**REVERSE SURGE CURRENT: 1A**

**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	$\mu A$
High Temperature Reverse Current	$I_{R2}$	$V_R=130V, 100^\circ C$		50	$\mu A$
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	$^\circ C$