

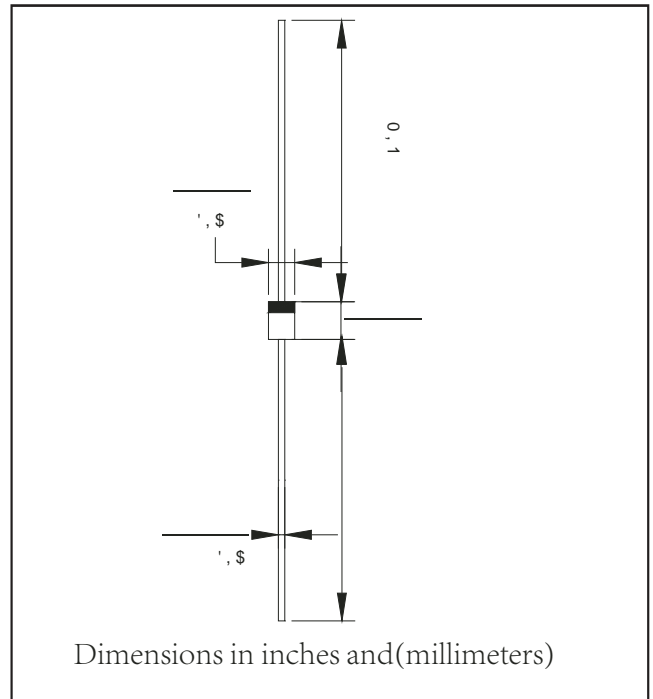
R-1 3/\$67, &, /, & 25 (& 7,), (56

FEATURES

- Diffused junction
- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

MECHANICAL DATA

- Case: JEDEC R-1, molded plastic
- Terminals: Axial lead, solderable per MIL-STD-202, Method 208
- Polarity: Color band denotes cathode
- Mounting position: Any



0 \$; , 0 8 0 5 \$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6

f & \$ P E L H 7 Q W S H U D X X O R H W K H U Z L W H G

		1H1	1H2	1H3	1H4	1H5	1H6	1H7	1H8	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	210	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	300	400	600	800	1000	V
Maximum average forward rectified current 9.5mm lead length, @ $T_A=75^\circ C$	$I_{F(AV)}$				1.0					A
	I_{FSM}				30.0					
Maximum instantaneous forward voltage @ 1.0 A	V_F		1.0		1.3					V
Maximum reverse current at rated DC blocking voltage					2.5					μA
					125.0					
Maximum reverse recovery time (Note1)	t_{rr}			50				75		ns
Typical junction capacitance (Note2)	C_J			20				15		pF
Typical thermal resistance (Note3)	R_{JA}				60					$^\circ C/W$
Operating junction temperature range	T_J				- 55					$^\circ C$
Storage temperature range	T_{STG}									$^\circ C$

NOTE: 1. Measured with $I_F=0.5A$, I_R -- --

NOTE=M70T

E = D

3. Thermal resistance from junction to ambient.

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