

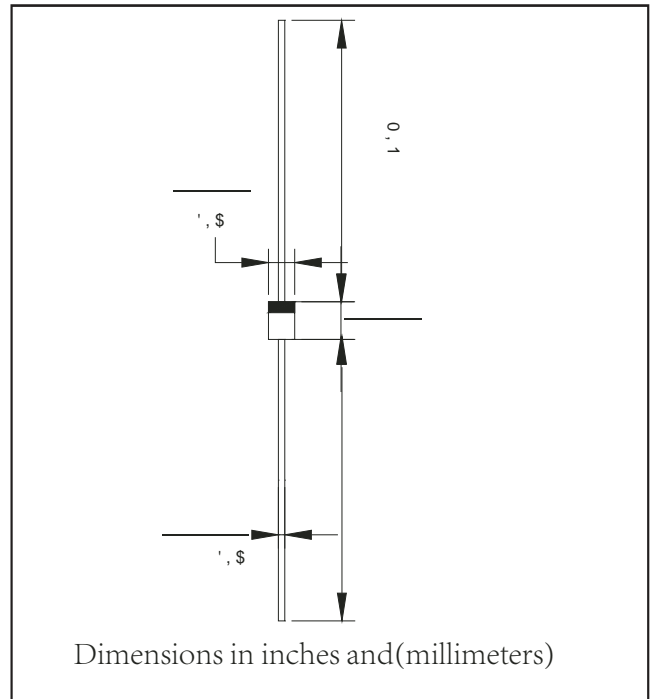
## R-1 3/\$67, &, /, & 25 (& 7, ), (56

### 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 G 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					$\mu A$
					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	----	+ 150			$^\circ C$
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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