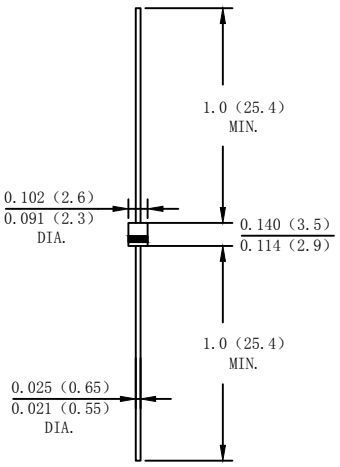
1H1 THRU 1H8

1.0 AMP. High Plastic silicon Efficient Rectifiers

Features

- Low forward voltage drop
- High current capability
- High reliability.

R-1



Dimensions in inches and (millimeters)

Mechanical Data

- Case: Moeded plastic R-1
- Terminals: Axial leads solderable per MIL-STD-202,Method 208
- Polarity: Color band dentes cathode end
- Mounting Position: Any

Maximum Ratings and Electrical Characteristics

Rating at 25℃ ambient temperature unless otherwise specified

Single phase,half wave,60Hz,resistive or inductive load

For capacitive load derate current by 20%

Type Number	SYMBOL	1H1	1H2	1H3	1H4	1H5	1H6	1H7	1H8	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RM}	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
Average Rectified Output Current (Note 1) @T_A =55℃	I_O	1.0								A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	25								A
Forward Voltage @IF=1.0A	V_{FM}	1.0			1.3		1.7			V
Peak Reverse Current @T_A =25℃	I_R	5.0								uA
At Rated DC Blocking Voltage @T_A =100℃		100								
Maximum Reverse Recovery Time (Note3)	T_{RR}	50					75			nS
Typical Junction Capacitance (Note 2)	C_j	12								pF
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	25								K/W
Operating Temperature Range	T_j	-65 to + 125								℃
Storage Temperature Range	T_{STG}	-65 to + 150								℃

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

2. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C

3.Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A .

1H1 THRU 1H8

FIG.1-FORWARD CURRENT DERATING CURVE

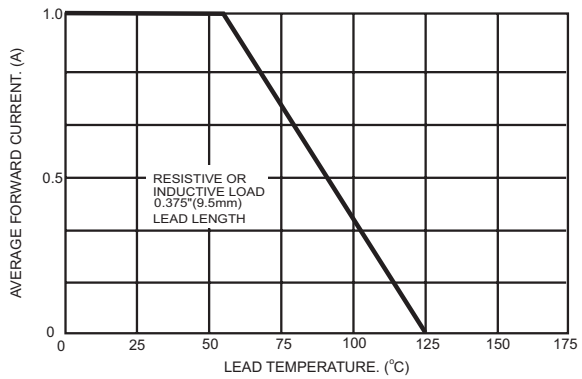


FIG.2- TYPICAL FORWARD CHARACTERISTICS

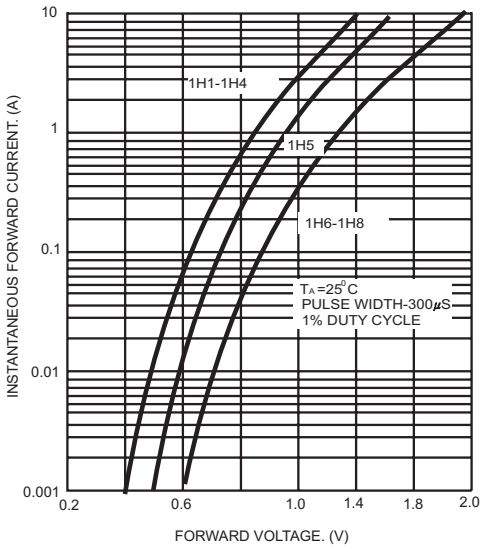


FIG.3- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

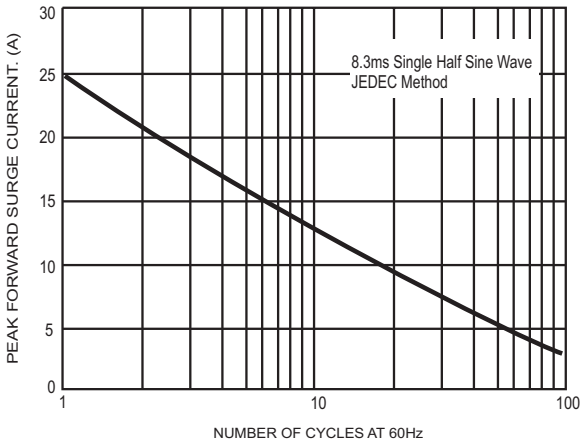


FIG.4- TYPICAL REVERSE CHARACTERISTICS