<u>查询HE</u>R1001供应商



<u>捷多邦, 专业PCB打样工厂, 24小时加急</u> HER1001 THRU年日ER1007

DO-41

HIGH EFFICIENCY RECTIFIER Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- 1.0 ampere operation at T_{A} =55 $^{\circ}C$ with no thermal runway
- Low cost
- Ultrafast recovery time for high efficiency
- Low forward voltage
- Low leakage current
- High surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3Kg) tension.

Mechanical Data

- Case: DO-41 molded plastic body
- Terminals: Plated axial leads, solderable per MIL-STD-750, method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 0.012 ounce, 0.33 gram

1°c ← D	▲D

DIMENSIONS								
DIM	inches		m	New				
DIM	Min.	Max.	Min.	Max.	Note			
А	0.165	0.205	4.2	5.2				
В	0.079	0.106	2.0	2.7	ф			
С	0.028	0.034	0.71	0.86	ф			
D	1.000	-	25.40	-				

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols	HER 1001	HER 1002	HER 1003	HER 1004	HER 1005	HER 1006	HER 1007	Units
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current 0.375" (9.5mm) lead length at $\rm T_{\rm A}{=}55^\circ\rm C$	I _(AV)			3%	1.0				Amp
Peak forward surge current, 8.3mS single half sine-wave superimposed on rated load (MIL-STD-750D 4066 method)	IFSM	30.0							Amps
Maximum instantaneous forward voltage at 1.0A	V _F	1.0 1.7					Volts		
Maximum DC reverse current T_=25°C at rated DC blocking voltage T_=100°C	I _R	10.0 50.0						μA	
Maximum reverse recovery time (Note 1)	T _{rr}	50.0 100.0						nS	
Typical junction capacitance (Note 2)	C	17.0							ρF
Typical thermal resistance (Note 3)	R _{⊎JA} R _{⊎JL}	60.0 15.0							°C/W
Operating junction and storage temperature range	T _J , T _{stg}	-55 to +150							°C

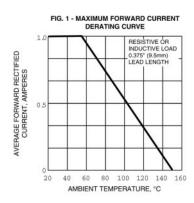
Reverse recovery test conditions: I_F=0.5A, I_R=1.0A, I_R=0.25A

(2) Measured at 1.0MHz and applied reverse voltage of 4.0 volts

Notes:

f. (3) Themal resistance from junction to ambient and from junction to lead length 0.375" (9.5mm), P.C.B. mounted

RATINGS AND CHARACTERISTIC CURVES



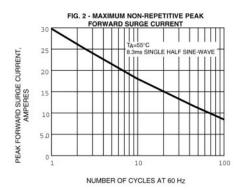


FIG. 4 - TYPICAL REVERSE LEAKAGE CHARACTERISTICS

