

HER301G thru HER308G

HIGH EFFICIENCY GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 3.0 Amperes

FEATURES

- Low cost
- Diffused junction
- Ultra fast switching for high efficiency
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0

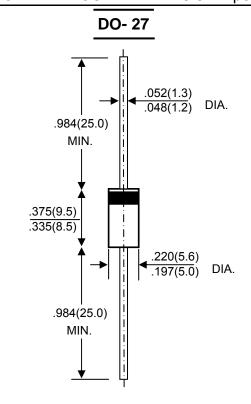
MECHANICAL DATA

◆Case: JEDEC DO-27 molded plastic

Polarity: Color band denotes cathode

●Weight: 0.04ounces , 1.1grams

• Mounting position: Any



Dimensions in inches and (millimeters)

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%

SYMBOL V _{RRM}	HER 301G	HER 302G	HER 303G	HER	HER	HER	HER	HER	LINUT
V _{RRM}			303G	304G	305G	306G	307G	308G	UNIT
	50	100	200	300	400	600	800	1000	V
VRMS	35	70	140	210	280	420	560	700	V
VDC	50	100	200	300	400	600	800	1000	V
I(AV)	3.0							А	
İFSM	125							Α	
VF	1.0 1.3 1.7					V			
lr	5.0 100							μΑ	
Trr	50 75						nS		
Сл	50 30						pF		
Reja	20							°C/W	
TJ	-55 to +150							$^{\circ}\!\mathbb{C}$	
Tstg	-55 to +150							$^{\circ}\!\mathbb{C}$	
	VRMS VDC I(AV) IFSM VF IR TRR CJ R0JA TJ	VRMS 35 VDC 50 I(AV) IFSM VF IR TRR CJ Reja TJ	VRMS 35 70 VDC 50 100 I(AV) IFSM VF 1.0 IR TRR CJ R0JA TJ	VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM VF 1.0 IR TRR 50 CJ 50 R0JA TJ	VRMS 35 70 140 210 VDC 50 100 200 300 I(AV) 3 IFSM 12 VF 1.0 1 IR 5 TRR 50 CJ 50 RØJA 2 TJ -55 to	VRMS 35 70 140 210 280 VDC 50 100 200 300 400 I(AV) 3.0 IFSM 125 VF 1.0 1.3 IR 50 TRR 50 CJ 50 ReJA 20 TJ -55 to +150	VRMS 35 70 140 210 280 420 VDC 50 100 200 300 400 600 I(AV) 3.0 IFSM 125 VF 1.0 1.3 IR 5.0 100 100 TRR 50 CJ 50 ReJA 20 TJ -55 to +150	VRMS 35 70 140 210 280 420 560 VDC 50 100 200 300 400 600 800 I(AV) 3.0 3.0 IFSM 125 125 VF 1.0 1.3 1.7 IR 5.0 100 100 TRR 50 75 75 CJ 50 30 30 ReJA 20 -55 to +150	VRMS 35 70 140 210 280 420 560 700 VDC 50 100 200 300 400 600 800 1000 I(AV) 3.0 IFSM 125 VF 1.0 1.3 1.7 IR 5.0 100 75 CJ 50 75 30 ReJA 20 -55 to +150

NOTES: 1.Measured with IF=0.5A, IR=1A, IRR=0.25A

- 2.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC
- 3. Thermal resistance junction to ambient

REV. 2,02-Dec-2013



