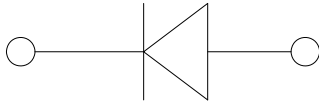
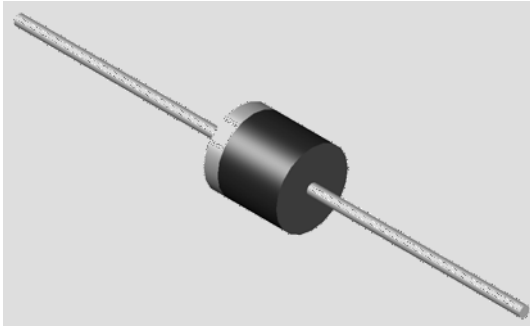




## High Efficient Rectifier



### Features

- High efficiency
- High current capability
- High Reliability
- High surge current capability
- Glass passivated chip junction
- Solder dip 275 °C max. 7 s, per JESD 22-B106

### Mechanical Data

- Package:** R-6
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity:** Color band denotes cathode end

### Maximum Ratings (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	HER601 G	HER602 G	HER603 G	HER604 G	HER605 G	HER606 G	HER607 G	HER608 G
Device marking code	P		HER605 G	HER606 G	HER607 G	HER608 G				
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	300	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	210	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	300	400	600	800	1000
Average Forward Current @60Hz sine wave, Resistance load, Ta=65	IF(AV)	A	6.0							
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	IFSM	A	200							
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			400							
Current squared time @1ms t8.3 ms Tj=25 Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> s	166							
Typical junction capacitance @Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	150				83		81	
Storage Temperature	Tstg		-55 ~ +150							
Junction Temperature	Tj		-55 ~ +150							

### Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	HER601 G	HER602 G	HER603 G	HER604 G	HER605 G
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**Outline Dimensions**

<b>R-6</b>		
Dim	Min	Max
A	8.60	9.10
B	8.60	9.10
C	25.4	/
D	1.20	1.32



# HER601G THRU HER608G

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## Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with

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