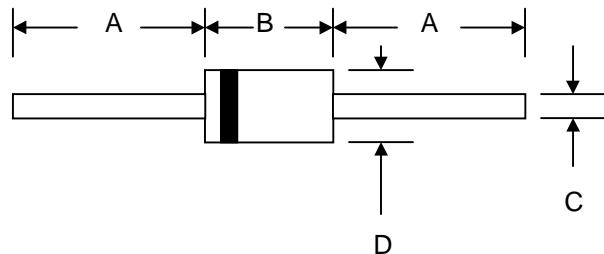


Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability



Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.40 grams (approx.)
- Mounting Position: Any
- Marking: Type Number

DO-15		
Dim	Min	Max
A	25.4	—
B	5.50	7.62
C	0.71	0.864
D	2.60	3.60

All Dimensions in mm

Maximum Ratings and Electrical Characteristics $\text{@ } T_A = 25^\circ\text{C}$ unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

Characteristic	Symbol	HER 201	HER 202	HER 203	HER 204	HER 205	HER 206	HER 207	HER 208	Unit
Peak Repetitive Reverse Voltage	V_{RRM}									
Working Peak Reverse Voltage	V_{RWM}	50	100	200	300	400	600	800	1000	V
DC Blocking Voltage	V_R									
RMS Reverse Voltage	$V_R(\text{RMS})$	35	70	140	210	280	420	560	700	V
Average Rectified Output Current (Note 1)	I_o									A
$\text{@ } T_A = 55^\circ\text{C}$										
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}									A
Forward Voltage $\text{@ } I_F = 2.0\text{A}$	V_{FM}									V
Peak Reverse Current $\text{@ } T_A = 25^\circ\text{C}$ At Rated DC Blocking Voltage $\text{@ } T_A = 100^\circ\text{C}$	I_{RM}									μA
Reverse Recovery Time (Note 2)	t_{rr}									nS
Typical Junction Capacitance (Note 3)	C_j									pF
Operating Temperature Range	T_j									$^\circ\text{C}$
Storage Temperature Range	T_{STG}									$^\circ\text{C}$

*Glass passivated forms are available upon request

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

2. Measured with $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$. See figure 5.

3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

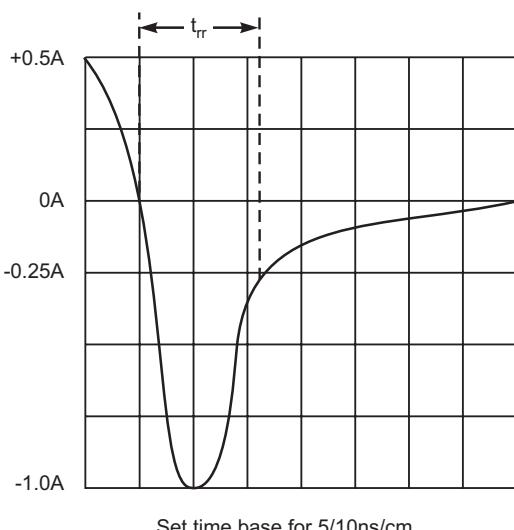
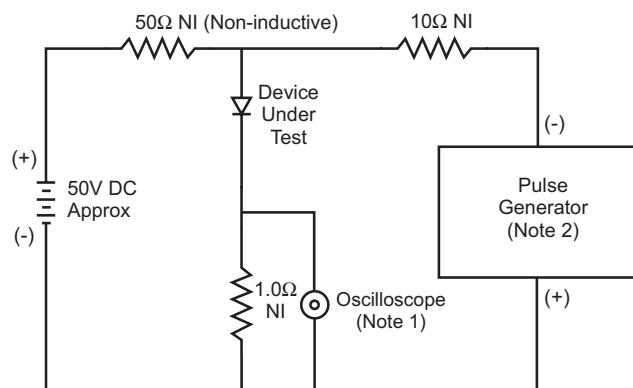
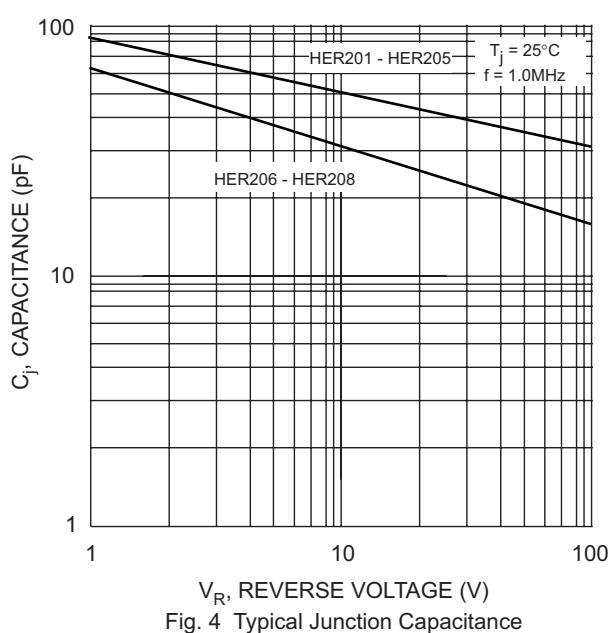
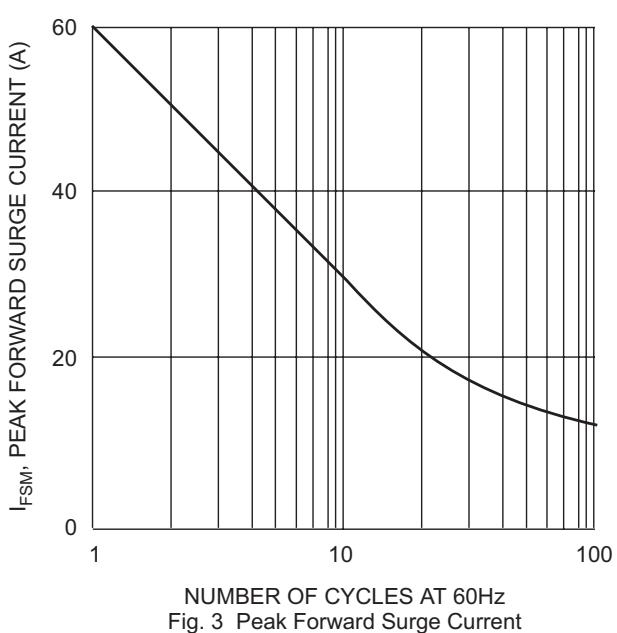
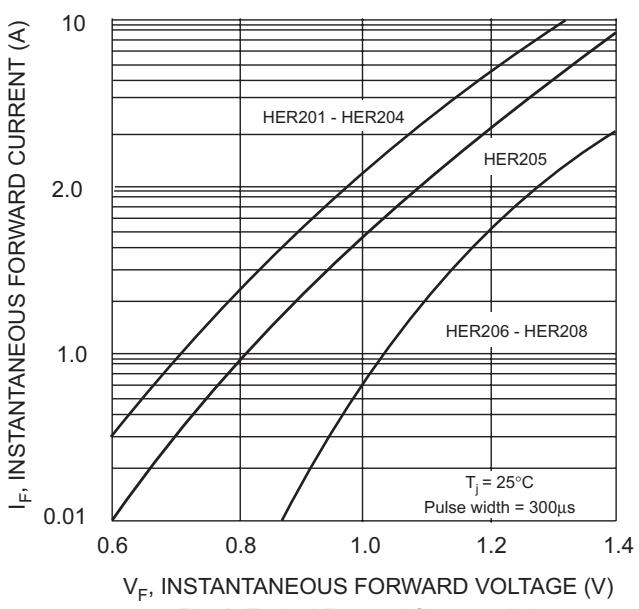
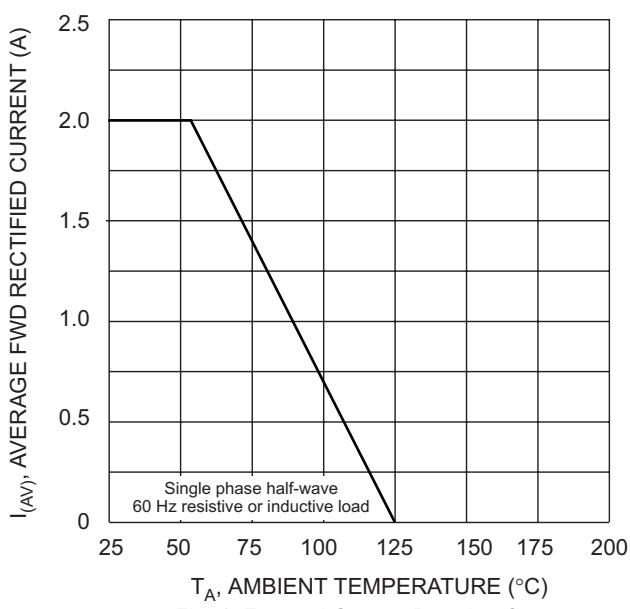


Fig. 5 Reverse Recovery Time Characteristic and Test Circuit

ORDERING INFORMATION

Product No.♦	Package Type	Shipping Quantity
HER201-T3	DO-15	4000/Tape & Reel
HER201-TB	DO-15	3000/Tape & Box
HER201	DO-15	1000 Units/Box
HER202-T3	DO-15	4000/Tape & Reel
HER202-TB	DO-15	3000/Tape & Box
HER202	DO-15	1000 Units/Box
HER203-T3	DO-15	4000/Tape & Reel
HER203-TB	DO-15	3000/Tape & Box
HER203	DO-15	1000 Units/Box
HER204-T3	DO-15	4000/Tape & Reel
HER204-TB	DO-15	3000/Tape & Box
HER204	DO-15	1000 Units/Box
HER205-T3	DO-15	4000/Tape & Reel
HER205-TB	DO-15	3000/Tape & Box
HER205	DO-15	1000 Units/Box
HER206-T3	DO-15	4000/Tape & Reel
HER206-TB	DO-15	3000/Tape & Box
HER206	DO-15	1000 Units/Box
HER207-T3	DO-15	4000/Tape & Reel
HER207-TB	DO-15	3000/Tape & Box
HER207	DO-15	1000 Units/Box
HER208-T3	DO-15	4000/Tape & Reel
HER208-TB	DO-15	3000/Tape & Box
HER208	DO-15	1000 Units/Box

Products listed in **bold** are WTE Preferred devices.

♦T3 suffix refers to a 13" reel. TB suffix refers to Ammo Pack.

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

Won-Top Electronics Co., Ltd.

No. 44 Yu Kang North 3rd Road, Chine Chen Dist., Kaohsiung, Taiwan

Phone: 886-7-822-5408 or 886-7-822-5410

Fax: 886-7-822-5417

Email: sales@wontop.com

Internet: <http://www.wontop.com>

We power your everyday.