

HER201G – HER208G



2.0A GLASS PASSIVATED ULTRAFAST DIODE

Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability

DO-15 Dim Min Max Α 25.4 В 5.50 7.62 С 0.71 0.864 D 2.60 3.60 All Dimensions in mm

Mechanical Data

Case: DO-15, Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: Cathode Band
Wainlity 0.40 magazine

Weight: 0.40 grams (approx.)

Mounting Position: AnyMarking: Type Number

Lead Free: For RoHS / Lead Free Version,
Add "-LF" Suffix to Part Number, See Page 4

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

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

Characteristic	Symbol	HER 201G	HER 202G	HER 203G	HER 204G	HER 205G	HER 206G	HER 207G	HER 208G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	300	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	210	280	420	560	700	V
Average Rectified Output Current (Note 1) @T _A = 55°C	lo	2.0					Α			
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	İFSM	60						А		
Forward Voltage @I _F = 2.0A	VFM	1.0 1.3			1.7		V			
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	lгм	5.0 100					μΑ			
Reverse Recovery Time (Note 2)	trr	50 75					nS			
Typical Junction Capacitance (Note 3)	Cj	60 40				pF				
Operating Temperature Range	Tj	-65 to +150					°C			
Storage Temperature Range	Тѕтс	-65 to +150					°C			

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

- 2. Measured with IF = 0.5A, IR = 1.0A, IRR = 0.25A. See figure 5.
- 3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

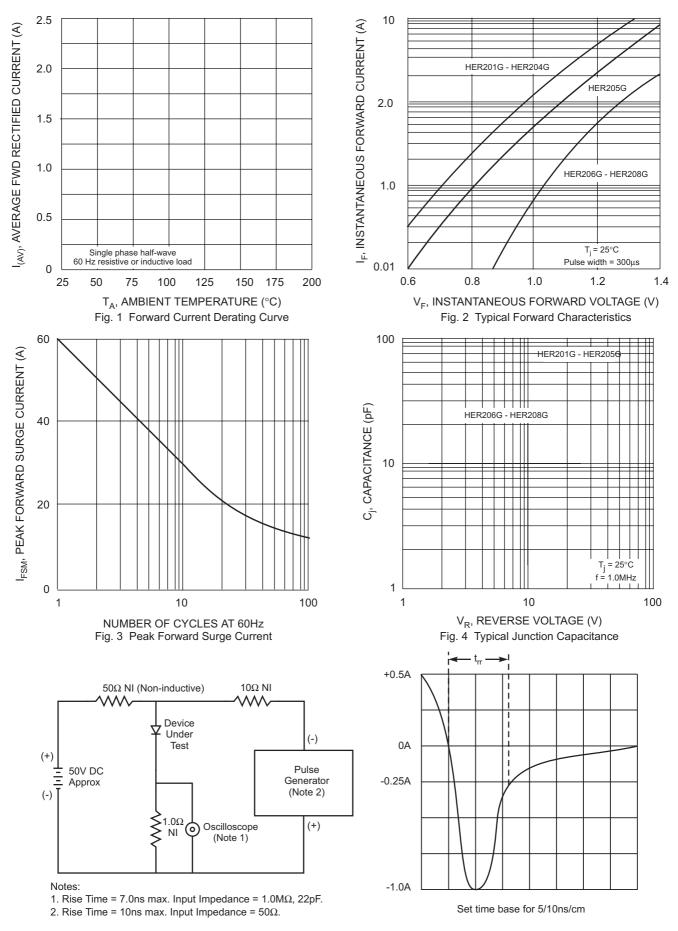
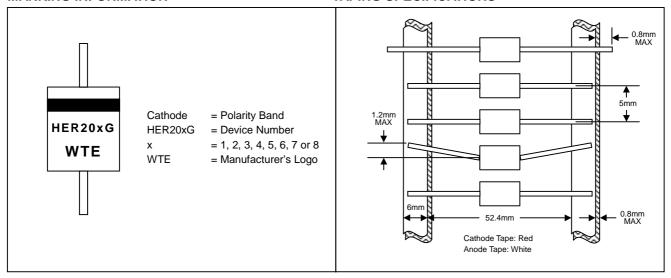


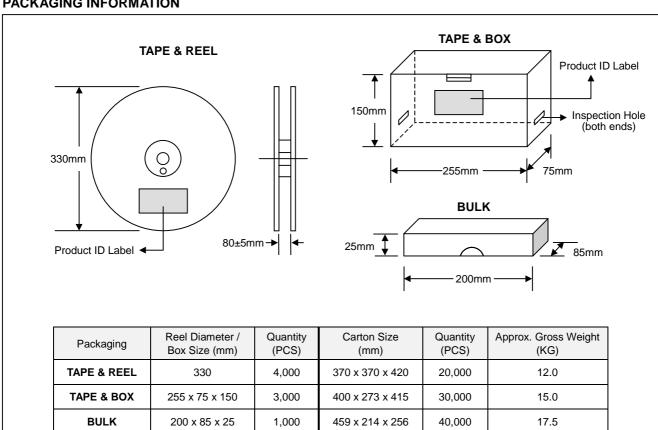
Fig. 5 Reverse Recovery Time Characteristic and Test Circuit

MARKING INFORMATION

TAPING SPECIFICATIONS



PACKAGING INFORMATION



Note: 1. Paper reel, white or gray color. Core material: plastic or metal.

2. Components are packed in accordance with $\dot{\text{EIA}}$ standard RS-296-E.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity				
HER201G-T3	DO-15	4000/Tape & Reel				
HER201G-TB	DO-15	3000/Tape & Box				
HER201G	DO-15	1000 Units/Box				
HER202G-T3	DO-15	4000/Tape & Reel				
HER202G-TB	DO-15	3000/Tape & Box				
HER202G	DO-15	1000 Units/Box				
HER203G-T3	DO-15	4000/Tape & Reel				
HER203G-TB	DO-15	3000/Tape & Box				
HER203G	DO-15	1000 Units/Box				
HER204G-T3	DO-15	4000/Tape & Reel				
HER204G-TB	DO-15	3000/Tape & Box				
HER204G	DO-15	1000 Units/Box				
HER205G-T3	DO-15	4000/Tape & Reel				
HER205G-TB	DO-15	3000/Tape & Box				
HER205G	DO-15	1000 Units/Box				
HER206G-T3	DO-15	4000/Tape & Reel				
HER206G-TB	DO-15	3000/Tape & Box				
HER206G	DO-15	1000 Units/Box				
HER207G-T3	DO-15	4000/Tape & Reel				
HER207G-TB	DO-15	3000/Tape & Box				
HER207G	DO-15	1000 Units/Box				
HER208G-T3	DO-15	4000/Tape & Reel				
HER208G-TB	DO-15	3000/Tape & Box				
HER208G	DO-15	1000 Units/Box				

- 1. Products listed in **bold** are WTE **Preferred** devices.
- Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
- To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, HER201G-TB-LF.

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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

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