

HER201 THRU HER208

2.0AMPS.HIGH EFFICIENCY PLASTIC RECTIFIERS

FEATURE

- . Low leakage
- . Low forward voltage drop
- . High current capability
- . High surge capability
- . High reliability
- . High temperature soldering guaranteed 260°C /10sec / 0.375" lead length at 5 lbs tension

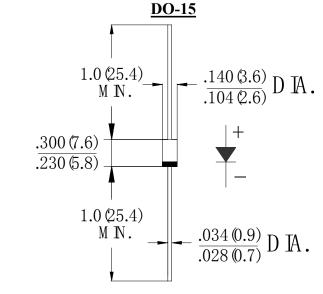
MECHANICAL DATA

. Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C

. Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy

. Polarity: color band denotes cathode

. Mounting position: any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	SYM BOL	HER 201	HER 202	HER 203	HER 204	HER 205	HER 206	HER 207	HER 208	units
Maximum Recurrent Peak Reverse Voltage	$V_{ m RRM}$	50	100	200	300	400	600	800	1000	V
Maximum RMS Voltage	$V_{ m RMS}$	35	70	140	210	280	420	560	700	V
Maximum DC blocking Voltage	$V_{ m DC}$	50	100	200	300	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) lead length at T _A =55°C	I _{F(AV)}	2.0								A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{ m FSM}$	60								A
Maximum Instantaneous forward Voltage at 2.0A DC	$V_{ m F}$	1.0 1.3 1.7							V	
Maximum DC Reverse Current $@T_A=25^{\circ}C$ at rated DC blocking voltage $@T_A=100^{\circ}C$	$I_{ m R}$	5.0 100.0								μА
Maximum Reverse Recovery Time (Note 1)	<i>t</i> rr	50 75							nS	
Typical Junction Capacitance (Note 2)	$C_{ m J}$	50 30							pF	
Typical Thermal Resistance (Note 3)	$R_{(JA)}$	75							°C/W	
Storage Temperature	T _{STG}	-55 to +150							°C	
Operation JunctionTemperature	$T_{ m J}$	-55 to +150							°C	

Note:

- 1. Test Conditions: I_F=0.5A, I_R=1.0A, I_{RR}=0.25A
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 3. Thermal Resistance from Junction to Ambient at 0.375" (9.5mm) lead length, vertical P.C.Board Mounted.

RATING AND CHARACTERISTIC CURVES (HER201 THRU HER208)

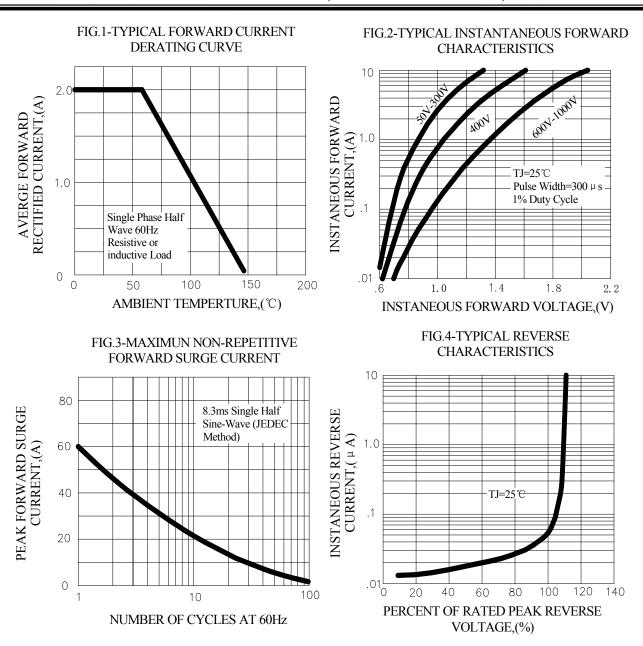
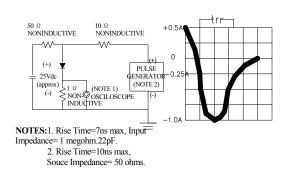


FIG.5-TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERSITIC



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Rectifiers category:

Click to view products by Pingwei manufacturer:

Other Similar products are found below:

D91A DA24F4100L DD89N1600K-A DD89N16K-K RL252-TP DSEI2X30-06C 1N4005-TR BAV199-TP UFS120Je3/TR13

JANS1N6640US DD89N16K DD89N16K-A 481235F 067907F MS306 ND104N08K SPA2003-B-D-A01 US2JFL-TP UFS105Je3/TR13

A1N5404G-G ACGRA4007-HF ACGRB207-HF RF301B2STL RF501B2STL UES1302 BAV199E6433HTMA1 ACGRC307-HF

ACEFC304-HF JANTXV1N5660A UES1106 GS2K-LTP D126A45C D251N08B SCHJ22.5K SM100 SCPA2 SDHD5K STTH20P035FP

VS-8EWS12S-M3 VS-12FL100S10 ACGRA4001-HF MUR420GP-TP 1N5404GP-E3/54 ND89N08K D1821SH45T PR D1251S45T

JANTX1N3890 SKN20/16 SKN70/16 1N3660R