HER301 T HER308

HIGH EFFICIENCY RECTIFIERS

REVERSE VOLTAGE 50 to 1000 Volts

FORWARD CURRENT 2.0 Ampere

DO-201AD (DO-27)

FEATURES

Low power loss, high efficiency Low forward voltage drop Low leakage current

High forward surge capability

High reliability

High temperature soldering guaranteed

260°C/10 seconds,0.375" (9.5mm)lead length at 5 lbs(2.3kg) tension

MECHANICAL DATA

Case: Transfer molded plastic Epoxy: UL94V-0 rate flame retardant Polarity: Color band denotes cathode end

Lead: Plated axial lead, solderable per MIL-STD-202E method 208C

Mounting position: Any

1.0(25.4) MIN. .052(1.3) .048(1.2) DIA. .375(9.5) .335(8.5) .220(5.6) .197(5.0) DIA. 1.0(25.4) MIN.

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%

Dimensions in inches and (millimeters)

	301		202	HER	HER	HER	HER	HER	UNIT
V_{RRM}	50	302 100	303 200	304	305 400	306 600	307 800	308 1000	VOLTS
V _{RMS}	35	70	140	210	280	420	560	700	VOLTS
V _{DC}	50	100	200	300	400	600	800	1000	VOLTS
I _(AV)	3.0							Amp	
IFSM	150						Amps		
V _F	1.0			1.	1.3		1.70		VOLTS
,	10								- uA
IR IR	150								
T _{RR}	T _{RR}			50			75		ns
CJ		70				50		pF	
T _J ,Tstg	-55 to +150							$^{\circ}$	
	VRMS VDC I(AV) IFSM VF IR CJ	VRMS 35 VDC 50 I(AV) IFSM VF IR TRR CJ TJ,,TSTG	VRMS 35 70 VDC 50 100 I(AV) IFSM VF 1.0 TRR CJ TJ,,TSTG	VRMS 35 70 140 VDC 50 100 200 IGAV) IGAN VF 1.0 IR 50 CJ 70 TJ, TSTG	VRMS 35 70 140 210 VDC 50 100 200 300 IGAV) 3 VF 1.0 1 IR 1 1 TRR 50 50 CJ 70 -55 to	VRMS 35 70 140 210 280 VDC 50 100 200 300 400 IGAV) 3.0 IFSM 150 VF 1.0 1.3 IR 150 TRR 50 CJ 70 TJ, TSTG -55 to +150	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	VRMS 35 70 140 210 280 420 560 VDC 50 100 200 300 400 600 800 I(AV) JSD 150 TRR 50 75 CJ 70 50 TJ, TSTG -55 to +150	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

- 1- Reverse Recovery Test Conditions: If=0.5A,Ir=1.0A,Irr=0.25A.
- 2- Measured at 1 MHZ and applied reverse voltage of 4.0 VDC.

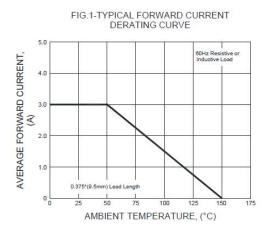
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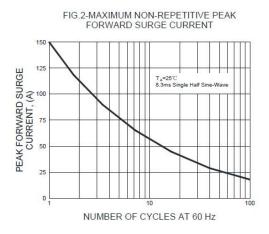
Website: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033 Fax: (852) 8106 7099

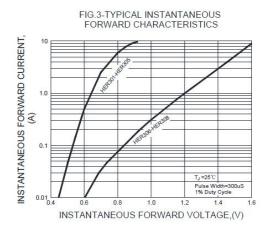
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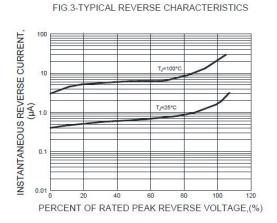
HER301 THRU HER308

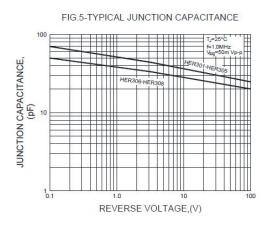
RATINGS AND CHARACTERISTIC CURVES

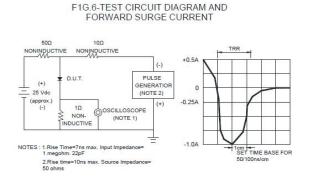












Note: Specifications are subject to change without notice.

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