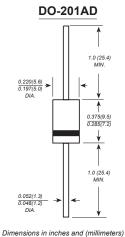


HER501 THRU HER508

HIGH EFFICIENCY RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 5.0 Amperes



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- High speed switching for high efficiency
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds,0.375″(9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: DO-201AD molded plastic body Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight:0.04 ounce, 1.10 grams

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 current derate by 20%.

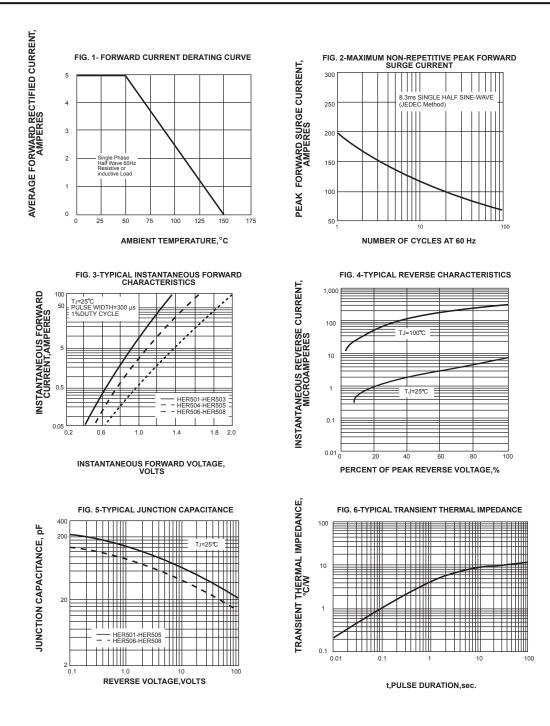
SYMBOLS	HER 501	HER 502	HER 503	HER 504	HER 505	HER 506	HER 507	HER 508	UNITS
Vrrm	50	100	200	300	400	600	800	1000	VOLTS
Vrms	35	70	140	210	280	420	560	700	VOLTS
VDC	50	100	200	300	400	600	800	1000	VOLTS
Lavo	5.0							Amps	
I(AV)	3.0								
	200.0								
IFSM								Amps	
						_			
Vf	1.0		1.3			1.70		Volts	
	10.0 200.0							μA	
IR									
trr	50			70		ns			
CJ	100.0			65.0		pF			
Reja	10.0						°C/W		
TJ, TSTG	-65 to +150						°C		
	VRRM VRMS VDC I(AV) IFSM VF IR IR CJ R0JA	SYMBOLS 501 VRRM 50 VRMS 35 VDC 50 I(AV) I IFSM I VF I IR I trr CJ R0JA I	STMBOLS 501 502 VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) 50 100 I(AV) 50 100 IFSM	SYMBOLS 501 502 503 VRRM 50 100 200 VRMS 35 70 140 VDc 50 100 200 I(AV) 50 100 200 I(AV) 50 100 200 I(AV) 50 100 200 IFSM	SYMBOLS 501 502 503 504 VRRM 50 100 200 300 VRMS 35 70 140 210 VDC 50 100 200 300 I(AV)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{tabular}{ c c c c c c c } \hline $\colsymbol{501}$ & $\colsymbol{502}$ & $\colsymbol{503}$ & $\colsymbol{506}$ & \colsymb	$\begin{tabular}{ c c c c c c c c c c c } \hline $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$	$\begin{tabular}{ c c c c c c c c c c c } \hline $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$

Note:1.Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A

2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

3. Thermal resistance from junction to ambient at 0.375" (9.5mm)lead length, P.C.B. mounted

RATINGS AND CHARACTERISTIC CURVES HER501 THRU HER508



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