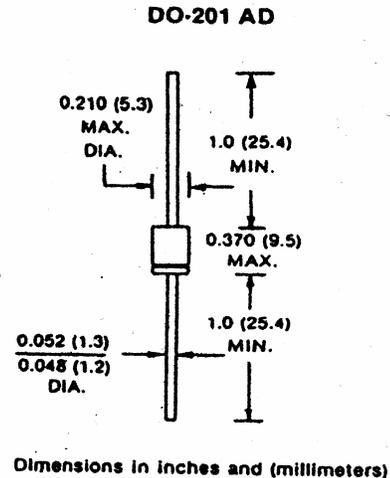


SUB- MINIATURE SILICON ULTRA FAST RECOVERY RECTIFIER

HER SERIES FEATURES:

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capabilities
- Low reverse current
- Ultrafast recovery



Electrical Ratings	HER 101	HER 102	HER 103	HER 104	HER 105	HER 106	HER 107	HER 108	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	50	100	200	300	400	600	800	1000	V
MAXIMUM RMS VOLTAGE	35	70	140	210	280	420	560	700	V
MAXIMUM DC BLOCKING VOLTAGE	50	100	200	300	400	600	800	1000	V
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT .375" LEAD LENGTH AT $T_A = 55^\circ\text{C}$	1.0								A
PEAK FORWARD SURGE CURRENT SINGLE CYCLE ON RATED LOAD (JEDEC METHOD)	30								A
MAXIMUM INSTANTANEOUS FORWARD VOLTAGE AT 1.0 A	1.1			1.4					V
MAXIMUM REVERSE RECOVERY TIME (NOTE 1)	50			75					nS
MAXIMUM DC REVERSE CURRENT $T_A = 25^\circ\text{C}$	5.0								μA
At RATED DC BLOCKING VOLTAGE $T_A = 100^\circ\text{C}$	50								
TYPICAL JUNCTION CAPACITANCE (NOTE 2)	20			15					pF
OPERATING AND STORAGE TEMPERATURE RANGE	-65 to +150								$^\circ\text{C}$

Rating at 25°C ambient temperature unless otherwise specified.
 Single phase, half wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20%

NOTES:

1. Reverse Recovery Test Conditions: $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$
2. Measured at 1 MHz and applied reverse voltage of 4.0 V D.C.

(203) 467-2591 TEL

(203) 469-5928 FAX

Email: info @ edal.com

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

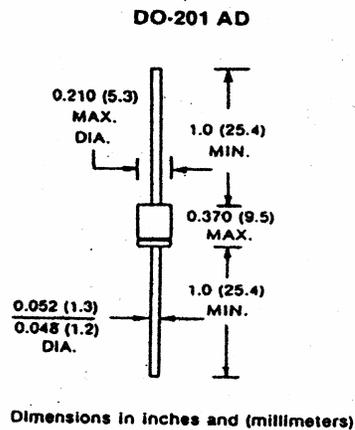
EDAL industries, inc.

51 Commerce St. East Haven, CT 06512

SUB- MINIATURE SILICON ULTRA FAST RECOVERY RECTIFIER

HER SERIES FEATURES:

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capabilities
- Low reverse current
- Ultrafast recovery



Electrical Ratings	HER 501	HER 502	HER 503	HER 504	HER 505	HER 506	HER 507	HER 508	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	50	100	200	300	400	600	800	1000	V
MAXIMUM RMS VOLTAGE	35	70	140	210	280	420	560	700	V
MAXIMUM DC BLOCKING VOLTAGE	50	100	200	300	400	600	800	1000	V
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT .375" LEAD LENGTH AT $T_A = 55^\circ\text{C}$	5.0								A
PEAK FORWARD SURGE CURRENT SINGLE CYCLE ON RATED LOAD (JEDEC METHOD)	200								A
MAXIMUM INSTANTANEOUS FORWARD VOLTAGE AT 5.0 A	1.1			1.4				V	
MAXIMUM REVERSE RECOVERY TIME (NOTE 1)	50			75				nS	
MAXIMUM DC REVERSE CURRENT $T_A = 25^\circ\text{C}$ At RATED DC BLOCKING VOLTAGE $T_A = 100^\circ\text{C}$	5.0			50.0				uA	
TYPICAL JUNCTION CAPACITANCE (NOTE 2)	100			65				pF	
OPERATING AND STORAGE TEMPERATURE RANGE	-65 to +150								$^\circ\text{C}$

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

NOTES:

1. Reverse Recovery Test Conditions: $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$
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