WEITRON

HER301G thru HER307G

High Efficiency Rectifier Glass Passivation Junction

REVERSE VOLTAGE
50-1000 VOLTS
FORWARD CURRENT
3.0 AMPERE

Lead(Pb)-Free

Features:

*Low forward voltage drop
*High current capability
*High reliability
*High surge current capability

DO-201AD

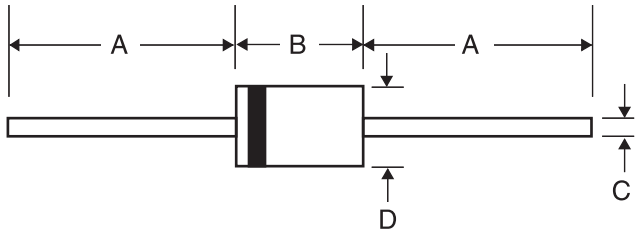
Mechanical Data:

* Case: Molded plastic
* Epoxy: UL 94V-0 rate flame retardant
* Lead: Axial leads, solderable per MIL-STD-202, method 208 guranteed
* Polarity: Color band denotes cathode end
* Mounting position: Any
* Weight: 1.20 grams

DO-201AD Outline Dimensions

Unit:mm

Axial Device (Through-Hole)



	A		B		C		D	
Dim	Min	Max	Min	Max	Min	Max	Min	Max
DO-201AD	25.40	-	7.30	9.50	1.20	1.30	4.80	5.60

Maximum Rating (TA=25°C Unless Otherwise Noted)

Characteristic	Symbol	HER 301G	HER 302G	HER 303G	HER 304G	HER 305G	HER 306G	HER 307G	Uuits
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	I_F	3.0							A
Peak Forward Surge Current, 8.3ms Single half sine-weve superim posed on rated load	I_{FSM}	150							A
Maximum Instantaneous Forward Voltage @3.0A	V_F	1.0			1.3	1.7			V
Maximum DC Reverse Current T_J=25°C at Rated DC Blocking Voltage T_J=100°C	I_R	5.0 100							μA
Maximum Reverse Recovery Time	T_{rr}	50				75			nS
Typical Junction Capacitance	C_J	80				50			pF
Typical Thermal Resistance	$R_{\theta JA}$	70							°C/W
Operating temperature range	T_j	-55 to +150							°C
Storage temperature range	T_{STG}	-55 to +150							°C