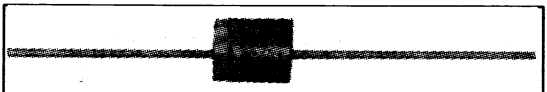
JGD

HER601G THRU HER608G

6.0 AMPS. GLASS PASSIVATED HIGH EFFICIENCY RECTIFIERS



VOLTAGE RANGE
50 to 1000 Volts
CURRENT
6.0 Amperes

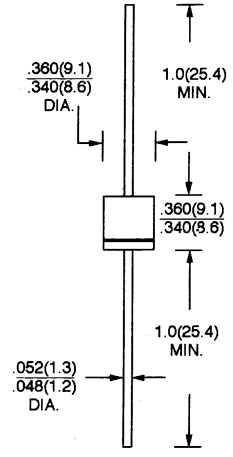
FEATURES

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

MECHANICAL DATA

* Case: Molded plastic
* Epoxy: UL 94V-0 rate flame retardant
* Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
* Polarity: Color band denotes cathode end
* Mounting Position: Any
* Weight: 2.0 grams

P600



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	SYMBOLS	HER 601G	HER 602G	HER 603G	HER 604G	HER 605G	HER 606G	HER 607G	HER 608G	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	210	280	420	560	700	V
Maximum D.C Blocking Voltage	V_{DC}	50	100	200	300	400	600	800	1000	V
Maximum Average Forward Rectified Current .375" (9.5mm) lead length @ T_A = 55℃ (Note 1)	$I_{F(AV)}$	6.0								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	150								A
Maximum Instantaneous Forward Voltage at 6.0A (Note 1)	V_F	1.0				1.3	1.7			V
Maximum D.C Reverse Current @ T_A = 25℃ at Rated D.C. Blocking Voltage @ T_A = 125℃	I_R	10.0 200								μA μA
Maximum Reverse Recovery Time (Note 2)	T_{RR}	60					75			nS
Typical Junction Capacitance (Note 3)	C_J	100					70			pF
Operating and Storage Temperature Range	T_J, T_{STG}	− 65 to + 150								℃

NOTES: 1. Mounted on P.C.B with 1.1 × 1.1"(30 × 30mm) copper pads.
2. Reverse Recovery Test Conditions: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A.
3. Measured at 1 MHz and applied reverse voltage of 4.0V D.C.