

**SURFACE MOUNT  
GLASS PASSIVATED BRIDGE RECTIFIERS**

REVERSE VOLTAGE - 100 to 800 Volts  
FORWARD CURRENT - 0.8 Amperes

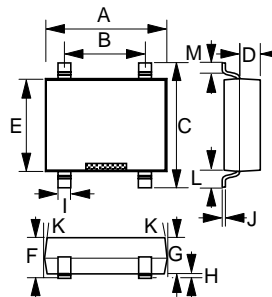
**FEATURES**

- Rating to 800V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Fast recovery, low loss switching
- The plastic material has UL recognition File # E95060

**MECHANICAL DATA**

- Polarity : Symbol marked on body
- Weight : 0.0044 ounces, 0.125 grams
- Mounting position : Any

**HDDF**



HDDF		
DIM.	MIN.	MAX.
A	4.50	4.90
B	2.30	2.70
C	—	7.00
D	1.20	1.60
E	3.60	4.00
F	—	3.00
G	2.30	2.70
H	—	0.20
I	0.50	0.80
J	0.15	0.35
K	5° TYPICAL	
L	1.30	1.70
M	0.70	1.10

All Dimensions in millimeter

**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%

CHARACTERISTICS	SYMBOL	RH01	RH02	RH04	RH06	RH08	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	100	200	400	600	800	V
Maximum RMS Voltage	V <sub>RMS</sub>	70	140	280	420	560	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	100	200	400	600	800	V
Maximum Average Forward Rectified Current (Note 1) @T <sub>A</sub> =40°C	I <sub>(AV)</sub>	0.8					A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I <sub>FSM</sub>	30					A
Maximum Forward Voltage at 0.4A DC	V <sub>F</sub>	1.15					V
Maximum DC Reverse Current at Rated DC Blocking Voltage @T <sub>J</sub> =25°C @T <sub>J</sub> =125°C	I <sub>R</sub>	5 100					uA
Maximum Reverse Recovery Time	T <sub>RR</sub>	150			250	500	ns
Typical Junction Capacitance per element (Note 2)	C <sub>J</sub>	13					pF
Typical Thermal Resistance (Note 3)	R <sub>θJA</sub>	75					°C/W
Operating Temperature Range	T <sub>J</sub>	-55 to +150					°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150					°C

NOTES : 1. Mounted on P.C. board.  
2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.  
3. Thermal Resistance Junction to Ambient.

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