

**SURFACE MOUNT  
GLASS PASSIVATED BRIDGE RECTIFIERS**

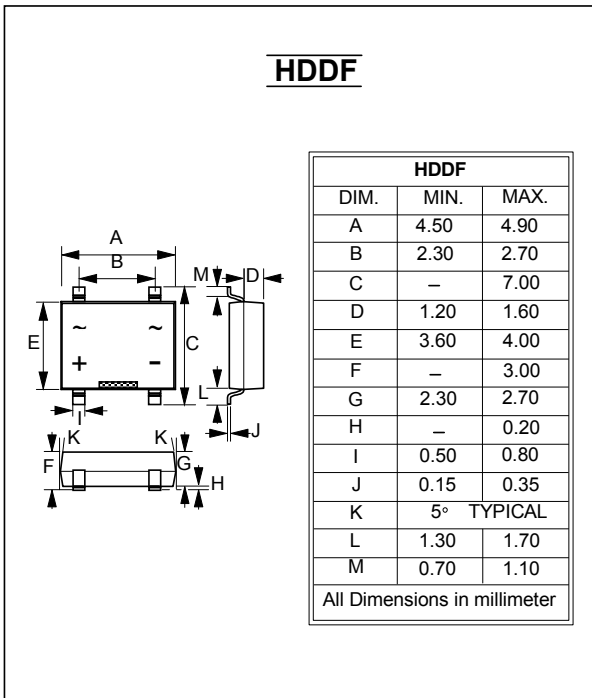
REVERSE VOLTAGE - **100 to 1000** Volts  
FORWARD CURRENT - **0.8** Amperes

**FEATURES**

- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL recognition File # E95060

**MECHANICAL DATA**

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

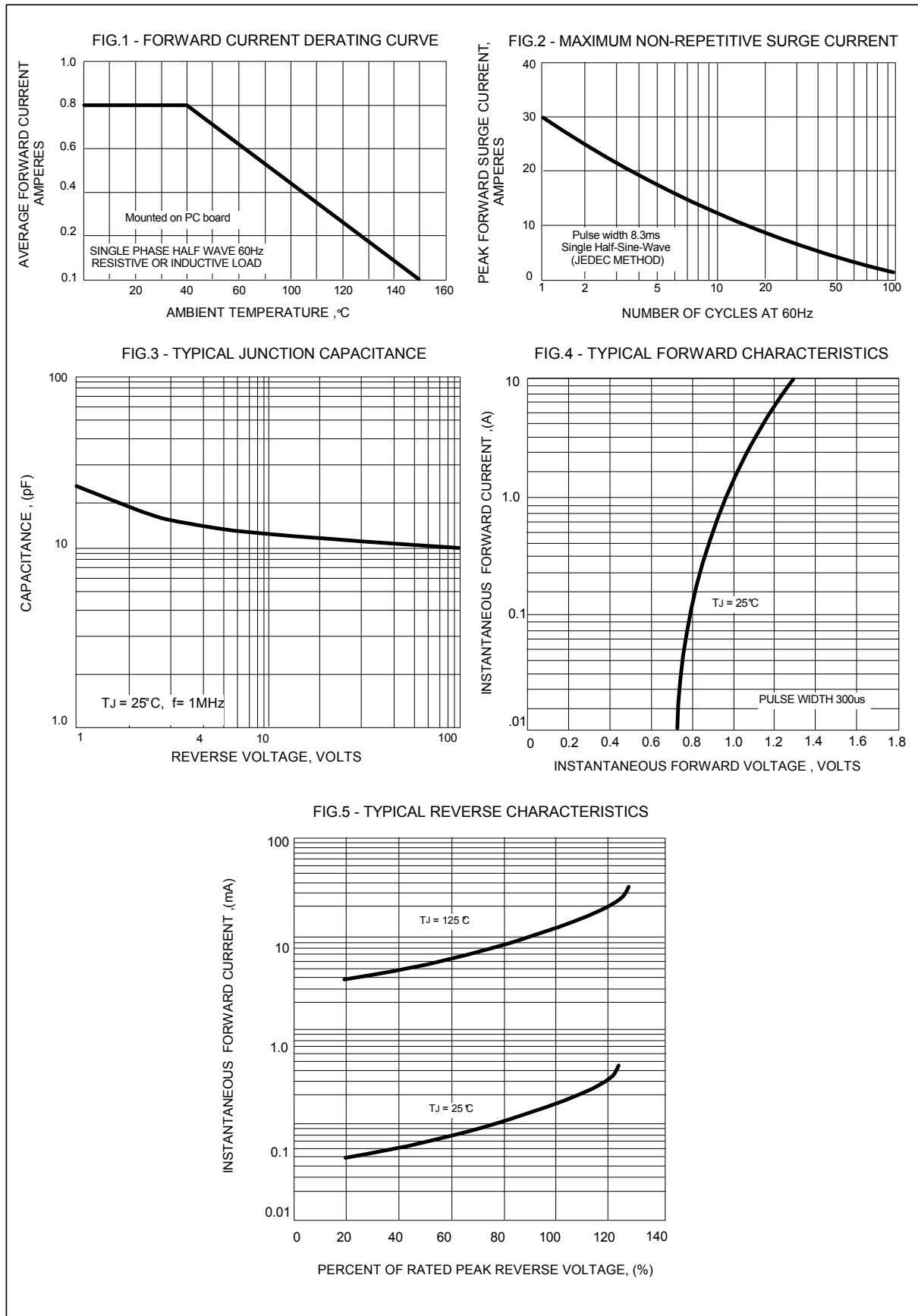


**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**  
Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	HD01	HD02	HD04	HD06	HD08	HD10	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	100	200	400	600	800	1000	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						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>	5 500						uA
I <sub>t</sub> Rating for fusing (t < 8.3ms)	I <sub>t</sub>	3.7						A·S
Typical Junction Capacitance per element (Note 2)	C <sub>J</sub>	15						pF
Typical Thermal Resistance (Note 3)	R <sub>θ JA</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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