

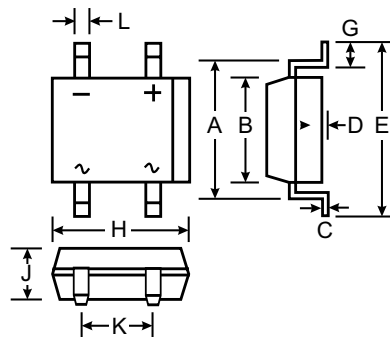
0.8A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- Surge Overload Rating to 30A Peak
- Ideally Suited for Automatic Assembly
- Miniature Package Saves Space on PC Boards
- Plastic Material: UL Flammability Classification Rating 94V-0

Mechanical Data

- Case: MiniDIP, Molded Plastic
- Terminals: Plated Leads, Solderable per MIL-STD-202, Method 2026
- Polarity: As Marked on Case
- Weight: 0.125 grams (approx.)
- Marking: Type Number



MiniDIP		
Dim	Min	Max
A	5.43	5.75
B	3.6	4.0
C	0.15	0.35
D	0.05	0.20
E	—	7.0
G	0.70	1.10
H	4.5	4.9
J	2.8	2.9
K	2.5	2.7
L	0.50	0.80
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Single phase, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Characteristic	Symbol	HD01	HD02	HD04	HD06	Unit
Peak Repetitive Reverse Voltage	V_{RMM}	100	200	400	600	V
Working Peak Reverse Voltage	V_{RWM}					
DC Blocking Voltage	V_{DC}					
RMS Reverse Voltage	V_{RMS}	70	140	280	420	V
Average Forward Rectified Current (Note 1) $T_A = @ 40^\circ\text{C}$	I_O	0.8				A
Non-Repetitive Peak Forward Surge Current, 8.3 ms Single half-sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	30				A
Instantaneous Voltage Drop @ 0.4A (per element)	V_F	1.0				V
Peak Reverse Current at Rated DC Blocking Voltage (per element) @ $T_A = 25^\circ\text{C}$ @ $T_A = 125^\circ\text{C}$	I_R	5.0 500				μA
Typical Junction Capacitance (per element) (Note 2)	C_j	10				pF
Typical Thermal Resistance, Junction to Ambient (Note 1)	$R_{\theta JA}$	75				$^\circ\text{C/W}$
Operating and Storage Temperature Range	T_j, T_{STG}	-55 to +150				$^\circ\text{C}$

Notes: 1. Mounted on Ceramic PC Board.
2. Measured at 1.0 MHz and Applied Reverse Voltage of 4.0 V.

