



# DB101(S) THRU DB107(S)

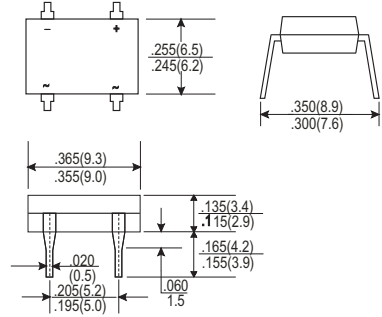
## Single Phase 1.0 A Glass Passivated Bridge Rectifiers

### Voltage Range 50 to 1000 Volts Current 1.0 Ampere

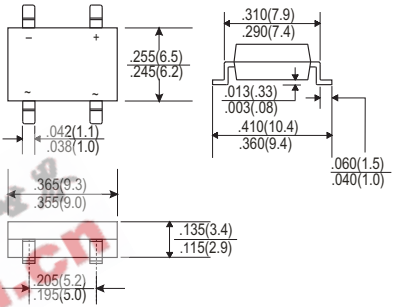
#### Features

- \*UL Recognized File
- \* Ideal for printed circuit board
- \* Reliable low cost construction utilizing molded plastic technique
- \* High temperature soldering guaranteed:  
250°C / 10 seconds / 0.375" ( 9.5mm ) lead length at 5lbs.,  
(2.3kg) tension
- \*Small size, simple installation Leads solderable per  
MIL-STD-202, Method 208
- \* High surge current capability

#### DB-1



#### DBS



#### Maximum Ratings and Electrical Characteristics

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

Type Number	DB 101(S)	DB 102(S)	DB 103(S)	DB 104(S)	DB 105(S)	DB 106(S)	DB 107(S)	Units
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ T <sub>A</sub> =40°C	1.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	50							A
Maximum Instantaneous Forward Voltage @ 1.0A	1.1							V
Maximum DC Reverse Current @ T <sub>A</sub> =25°C At Rated DC Blocking Voltage @ T <sub>A</sub> =125°C	10 500							uA uA
Operating Temperature Range T <sub>J</sub>	-55 to +125							°C
Storage Temperature Range T <sub>STG</sub>	-55 to +125							°C

Http://www.upm.com.tw

E-mail: upm.tw@msa.hinet.net



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**Voltage Range 50 to 1000 Volts**

**Current 1.0 Ampere**

## RATINGS AND CHARACTERISTIC CURVES (DB101(S) THRU DB107(S))

