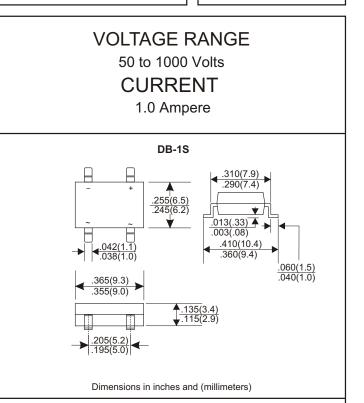
## **DB101S** THRU **DB107S**

SINGLE PHASE 1.0 AMP SURFACE MOUNT BRIDGE RECTIFIERS



## FEATURES

- \* Ideal for printed circuit board
- \* Reliable low cost construction utilizing molded plastic technique
- \* High surge current capability
- \* Polarity: marked on body
- \* Mounting position: Any
- \* Weight: 1.0 grams



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	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		•			•		•	
.375"(9.5mm) Lead Length at Ta=40 <sup>°</sup> C		1.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	50					А		
Maximum Forward Voltage Drop per Bridge Element at 1.0A D.C.		1.1						V
Maximum DC Reverse Current Ta=25°C		10						μA
at Rated DC Blocking Voltage Ta=125°C		500						
Operating Temperature Range, TJ		-65-+125						°C
Storage Temperature Range, Тятс		-65-+150						°C



