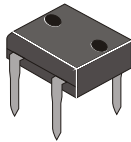


# DB201G THRU DB207G



SINGLE PHASE 2.0 AMP GLASS PASSIVATED 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: 0.9 grams
- \* Both normal and Pb free product are available:
- \* Normal: 80~95%Sn, 5~20%Pb
- \* Pb free: 99 Sn above can meet Rohs environment substance directive request

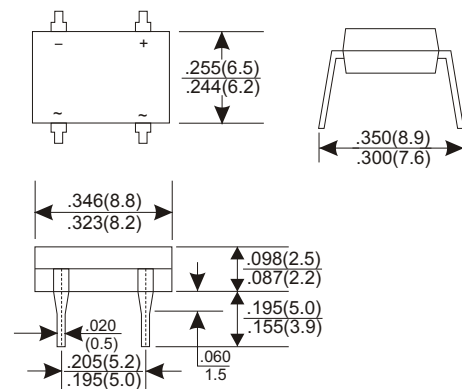
## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

2.0 Ampere

DB-1



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	DB201	DB202	DB203	DB204	DB205	DB206	DB207	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 °C	2.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	75							A
Maximum Forward Voltage Drop per Bridge Element at 2.0A D.C.	1.0							V
Maximum DC Reverse Current Ta=25 °C	5							uA
at Rated DC Blocking Voltage Ta=125 °C	200							uA
Operating Temperature Range, Tj	-65— +150							°C
Storage Temperature Range, TSTG	-65— +150							°C
Rating for Fusing (t < 8.3ms) I <sup>2</sup> t	10							A <sup>2</sup> s

## RATING AND CHARACTERISTIC CURVES (DB201 THRU DB207)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

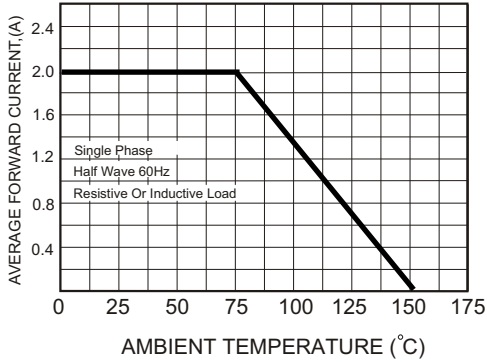


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

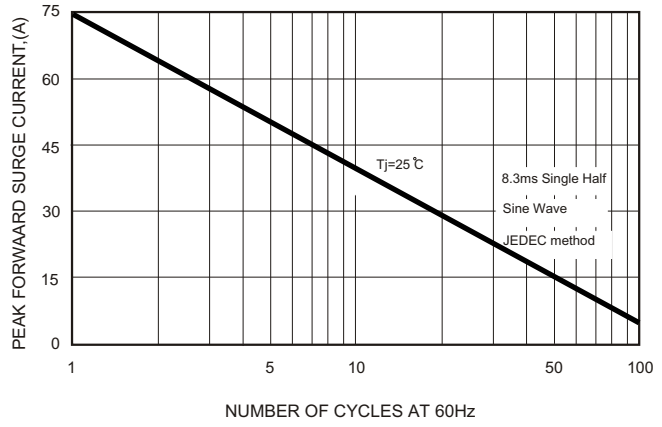


FIG.3-TYPICAL FORWARD CHARACTERISTICS

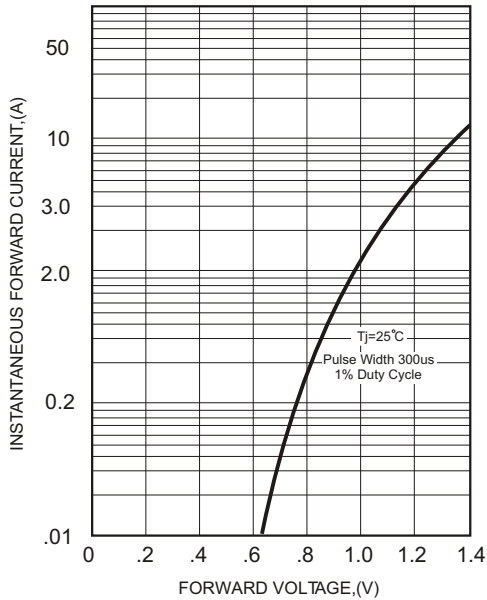


FIG.4-TYPICAL REVERSE CHARACTERISTICS

