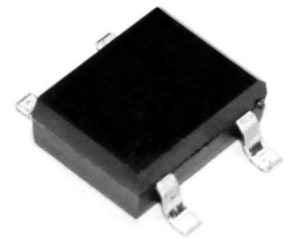




## Features

- \* 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

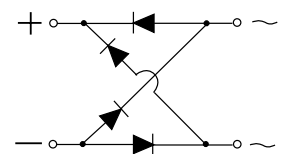


DBS

## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
DB201S-DB207S	DBS	DB20xS	1500

x: From 1-7



Internal Structure

## Maxmim Ratings (Ta=25°C unless otherwise noted)

Single phase half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

TYPE NUMBER	DB201S	DB202S	DB203S	DB204S	DB205S	DB206S	DB207S	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)	60							A
Maximum Forward Voltage Drop per Bridge Element at 1.5A D.C.	1.1							V
Maximum DC Reverse Current Ta=25°C	5							uA
at Rated DC Blocking Voltage Ta=125°C	500							uA
Operating Temperature Range, Tj	-65 — +150							°C
Storage Temperature Range, Tstg	-65 — +150							°C



## Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT  
DERATING CURVE

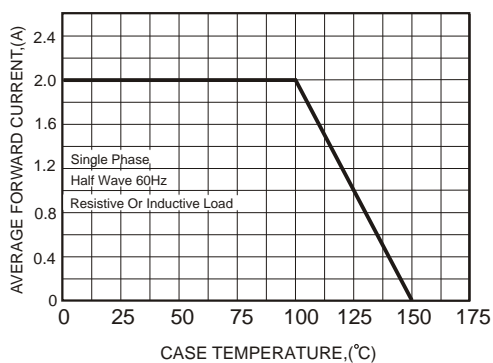


FIG.2-MAXIMUM NON-REPETITIVE FORWARD  
SURGE CURRENT

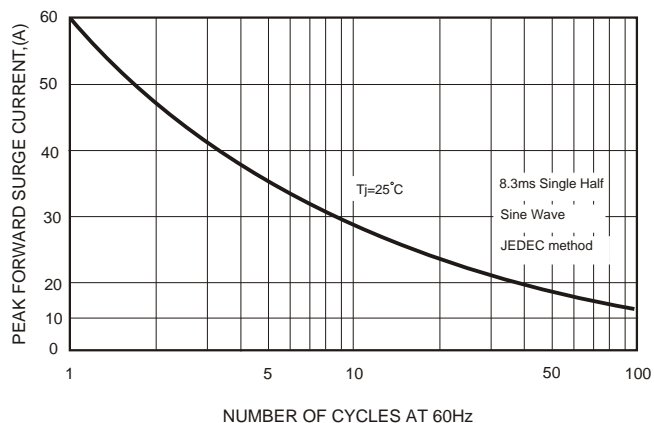


FIG.3-TYPICAL FORWARD  
CHARACTERISTICS

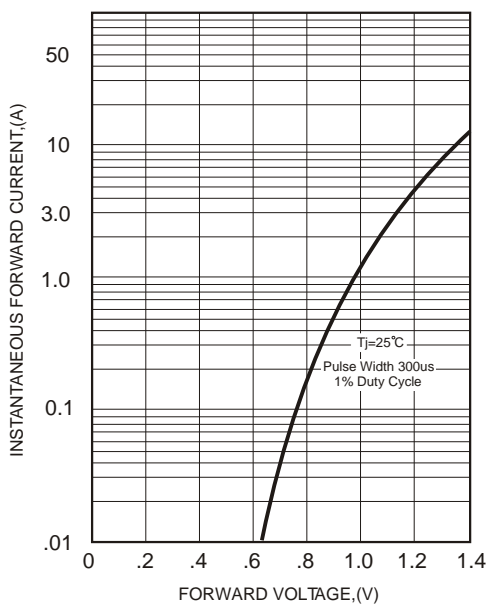
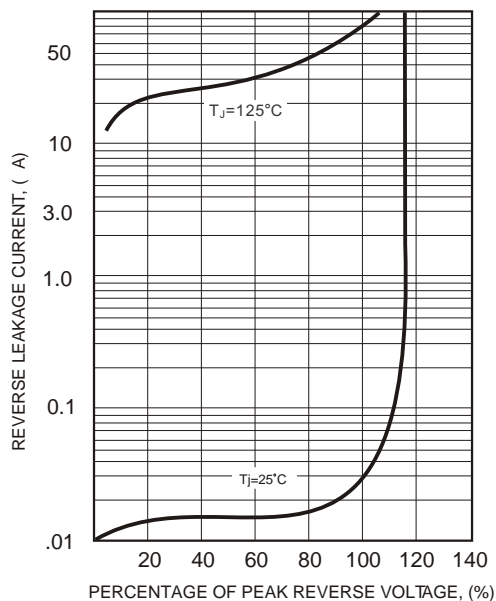
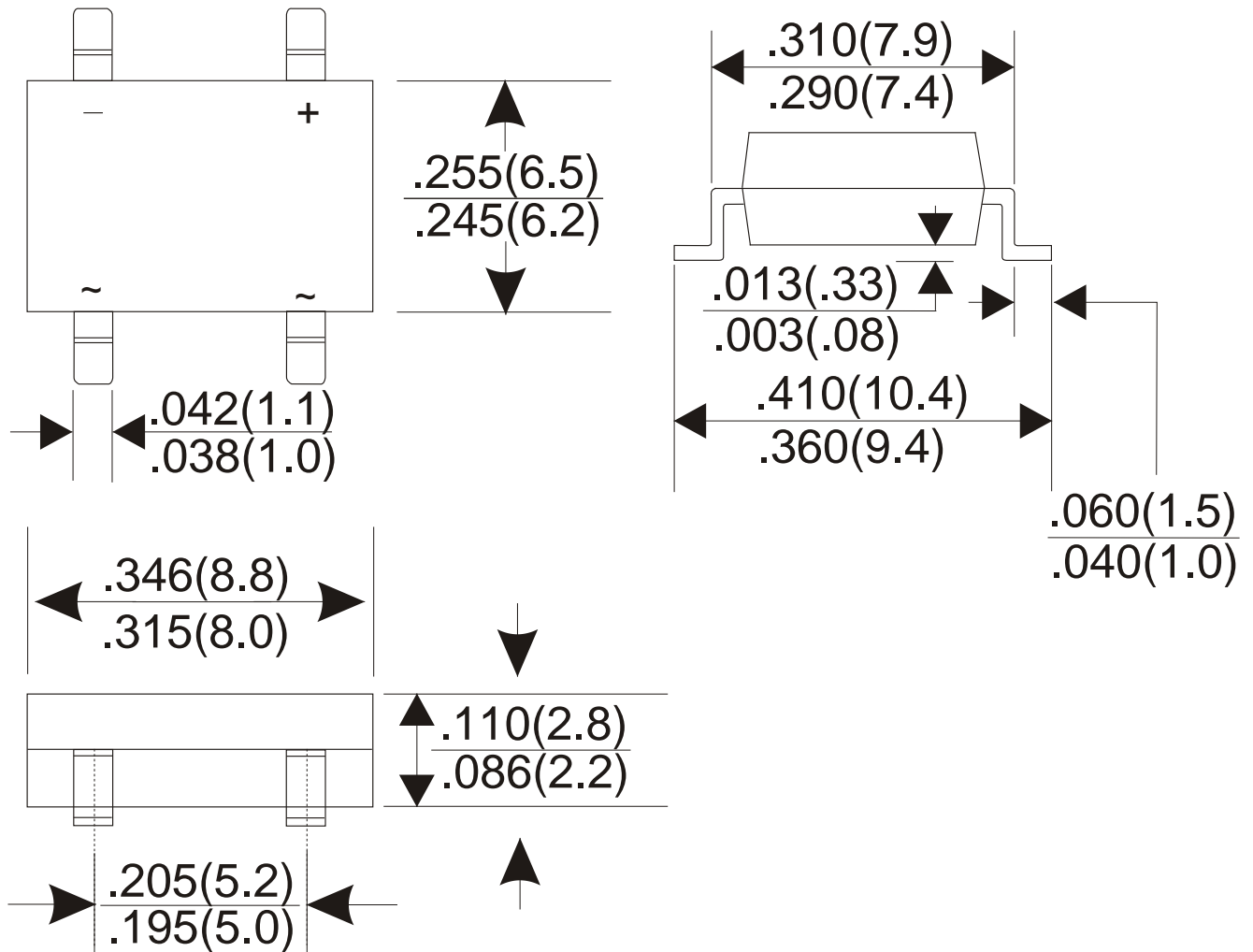


FIG.4-TYPICAL REVERSE  
CHARACTERISTICS





## DBS Package Outline Dimensions



Dimensions in inches and (millimeters)



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