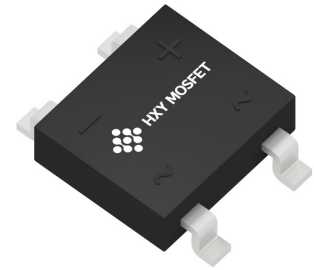




## Features

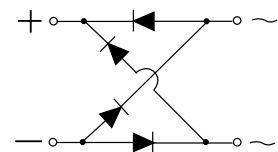
- \* Ideal for printed circuit board
- \* Reliable low cost construction utilizing molded plastic technique
- \* High surge current capability
- \* Polarity: marked on body
- \* Mounting position: Any
- \* Weight: 1.0 grams



DBS

## Ordering Information

| Product ID | Pack | Qty(PCS) |
|------------|------|----------|
| DF2010S    | DBS  | 1500     |



Internal Structure

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

| Type Number                                                                                           | DF2010S    | Units |
|-------------------------------------------------------------------------------------------------------|------------|-------|
| Maximum Recurrent Peak Reverse Voltage                                                                | 1000       | V     |
| Maximum RMS Voltage                                                                                   | 700        | V     |
| Maximum DC Blocking Voltage                                                                           | 1000       | V     |
| Maximum Average Forward Rectified Current<br>.375"(9.5mm) Lead Length at Ta=40°C                      | 2.0        | A     |
| Peak Forward Surge Current, 8.3 ms single half sine-wave<br>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<br>Ta=25°C                                                                 | 5          | A     |
| at Rated DC Blocking Voltage<br>Ta=125°C                                                              | 500        | A     |
| Operating Temperature Range, Tj                                                                       | -65 — +150 | °C    |
| Storage Temperature Range, Tstg                                                                       | -65 — +150 | °C    |

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



## Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT  
DERATING CURVE

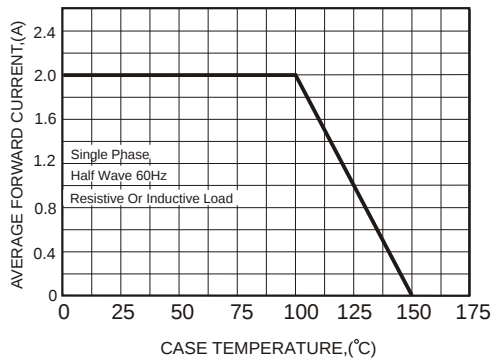


FIG.2-MAXIMUM NON-REPETITIVE FORWARD  
SURGE CURRENT

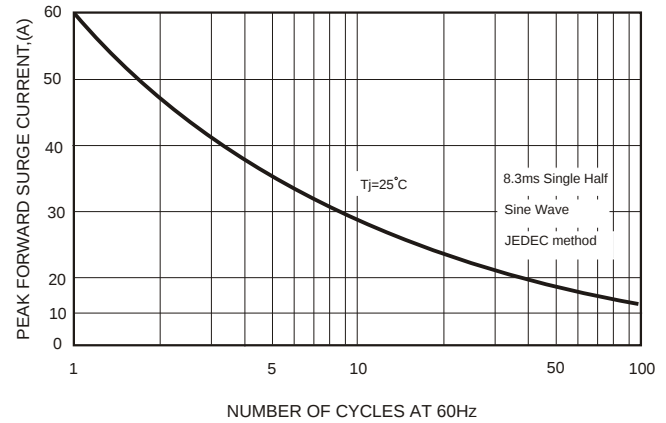


FIG.3-TYPICAL FORWARD  
CHARACTERISTICS

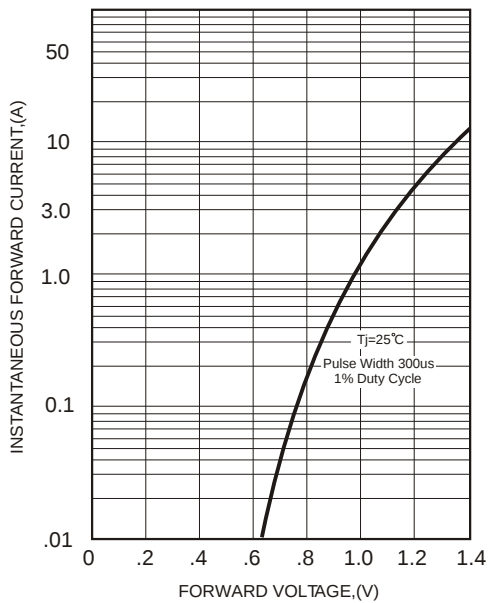
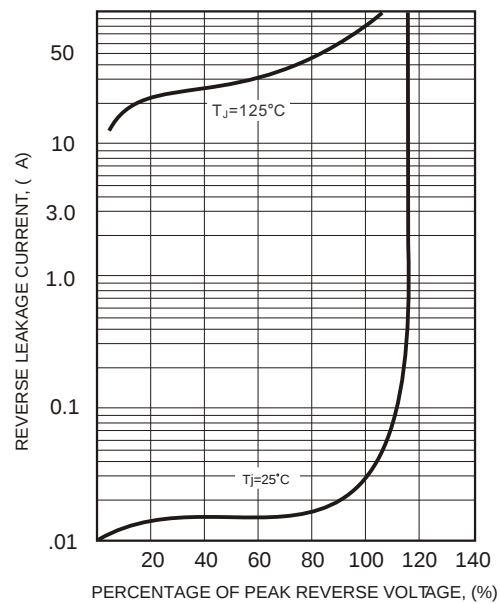
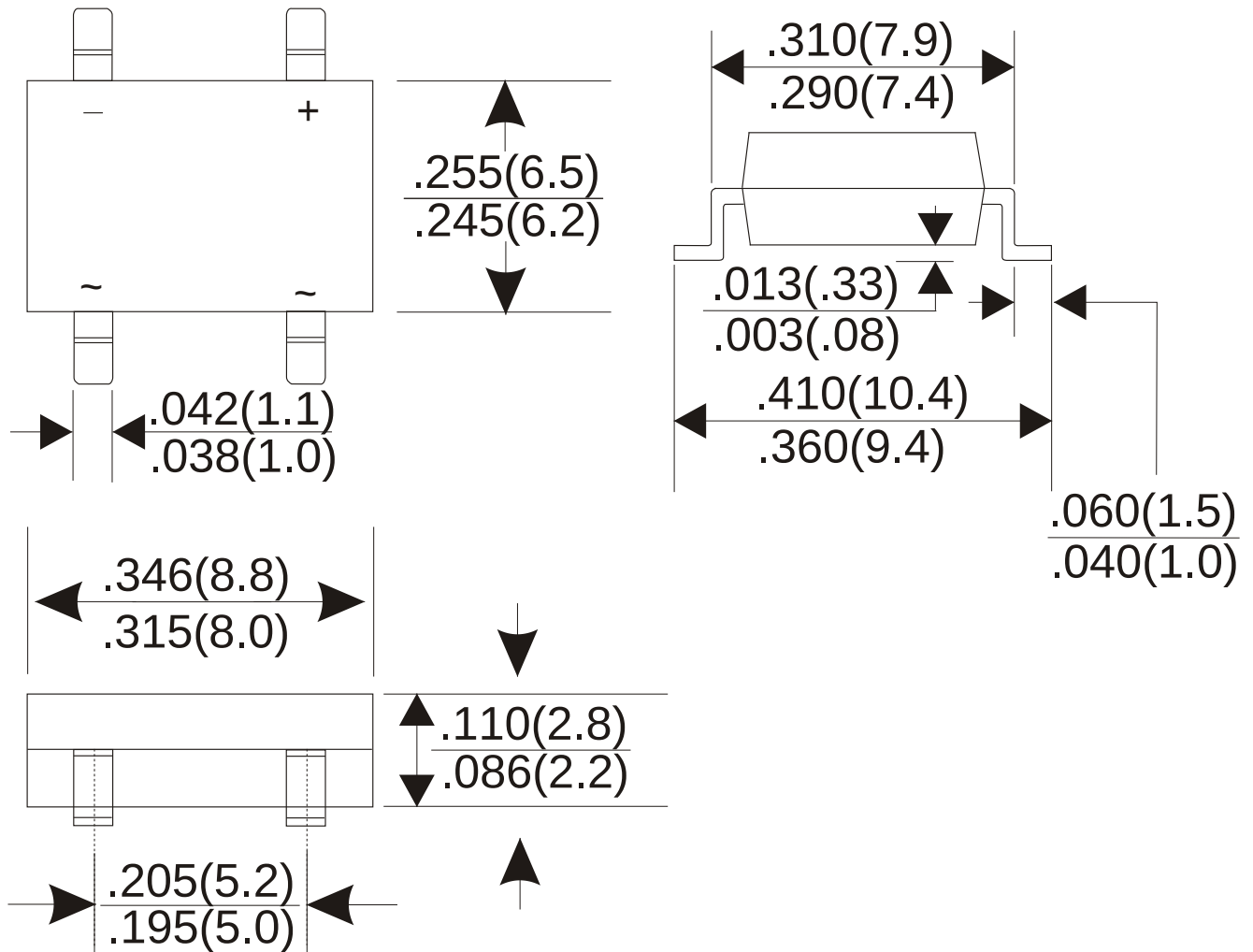


FIG.4-TYPICAL REVERSE  
CHARACTERISTICS





## DBS Package Outline Dimensions



Dimensions in inches and (millimeters)



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